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ABSTRACT

As part of a regular evaluative follow-up of graduates from the education programs at Bowling Green State University, this collection of three booklets provides statistics on the responses of students who graduated between 1975 and 1980. The first booklet presents responses obtained from a total of 685 teachers who reflected upon the adequacy of their preparation to be entry level teachers. Responses are reported by the students' majors. The second booklet presents an evaluation of the on-the-job performances of approximately 900 teachers. The information was provided by the supervising principals of the teachers. The third booklet summarizes the teachers' responses by years of teaching experience. A total of 694 teachers responded to this portion of the instrument. A description is given of the instrument used for data collection, and a copy of the questionnaire used in the survey is included. Data/numerical findings are presented. (JD)

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"An Appraisal of My Preparation As A Teacher at Bowling Green State University"

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A Programmatic Evaluative Follow-Up of a Sample of the 1975-1980 Graduates of the Basic Programs

(Limited to 694 responding graduates who
were teaching in the State of
Ohio during Spring, 1981)

Booklet 1 of 3

A Report Prepared for and
Distributed to the Faculty of
the College of Education

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by

Office of Educational Research & Services
College of Education
Fred L. Pigge, Director

BOWLING GREEN STATE UNIVERSITY

December, 1982

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Office of Educational Research and Services

Available Programs and Services

1. School surveys.
2. School-community relations surveys.
3. Staff in-service education workshops.
   a) K-12 subject matter areas — reading, math, science, etc.
   b) Guidance and Counseling
   c) Vocational Guidance
   d) Testing
   e) Various areas relating to special education
   f) Instructional media
   g) Behavioral objectives, behavior modification
   h) National and international curriculum projects.
   i) Etc.

   Workshops could well vary from those lasting one or two hours to those that would consist of many hours spread over a period of several weeks or months. It is possible to arrange credit for some extended workshops.
4. Curriculum development projects.
5. Proposals relating to State and Federal Legislation, for example, Title III, E.S.E.A.
   a) Design
   b) Evaluation
   c) Program (Evaluation) Auditing
6. Assisting Boards of Education with administrative management problems.
7. Constructing communication networks with staff and community.
8. General development and/or implementation of "new" instructional strategies, for example, team teaching, non-graded, and other approaches.
9. Comprehensive guidance and testing programs.
10. Special Projects.

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Dr. Fred Pigge, Coordinator;
Room 444A Education Building;
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Bowling Green, Ohio 43403;
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Section 1

Introduction, Procedures, Copy of the Instrument, and an Overall Evaluation of BGSU Teacher Education Programs by Their Graduates

The College of Education is committed to regular evaluative follow-ups of its graduates. The present study covers the graduates of 1975 to and including 1980.

The Instrument

During the spring quarter 1981, copies of the instrument presented on following pages 3 , 4, . . 10 were sent to 1386 of our former students who were teaching in the State of Ohio. (See Section 2 for a description of the population and sample.)

The instrument was designed to gather specific and general evaluative information from graduates of each program area. Two report booklets summarize the teachers' responses to the items: the present report which summarizes responses by majors and a third booklet which summarizes the teachers' responses by years of teaching experience.

A second booklet presents an evaluation of the on-the-job performances of these teachers. This information was provided by the supervising principals of these teachers.

Both instruments (present program evaluation and teacher performance evaluation) were developed/designed by the Office of Educational Research and Services. The personnel of this office, in the construction of these instruments, drew upon the content and/or experiences of having worked with:

1. Instruments that have been used at BGSU. The initial batch of these instruments were partially based upon the findings of a quasi-nationwide request for follow-up instruments being used

at other institutions during the early 1970's.

2. More recent instruments in use at other institutions. These were obtained through personal or cohort contact -- also from papers read at (or published by) AERA, AACTE, etc.
3. Suggestions of program faculty/staff/administrators at BGSU.
4. Publications of regional, state and professional accrediting/licensing agencies.
5. A state-wide study entitled "The Identification of Generic Concepts of Effective Teaching as Related to the Ohio Standards" and completed by the Ohio Study Council for Research and Evaluation, 1979-80.
6. Materials published by College of Education, University of Georgia and/or Georgia State Department of Education in relation to Teacher Performance Assessment Instruments.
7. The Research and Development Center for Teacher Education, The University of Texas at Austin.

Procedures

A copy of the instrument entitled "An Appraisal of My Preparation as a Teacher at BGSU" was initially sent to our teaching graduates during early March, 1981. A reminder was sent to non-respondents during early April. The instrument "An Appraisal of the Performance of a Teacher Prepared at BGSU" was sent to the principals of the aforementioned teachers during mid-April, 1981. A reminder was sent to the non-respondents during early May.

Section 2 of this report presents a description of the numbers of teachers and principals who comprised the original population and the responding samples.

Overall Evaluation

The one item which permitted our graduates to give their teacher-

Bowling Green State University

College of Education
Office of Research and Services
Suite 330 Education Building
Bowling Green, Ohio 43403
(419) 372-0151
Ext 274

Winter, 1981

TO: Recent Graduates
College of Education
BGSU

Dear Teacher Graduate:

We in the College of Education are many times asking ourselves, "Just how well have we prepared our graduates for teaching?" "How valuable are some of the required courses?" "Are we emphasizing needed competencies?" Etc. The purpose of this correspondence is respectfully to ask that you help us arrive at answers to these questions.

Please take a few minutes to give us your honest reactions to the questions posed on the accompanying questionnaire. This questionnaire is being sent to recent BGSU graduates (1976-1980) who are teaching in the State of Ohio. After analyzing your responses and summarizing your comments, we will be in a better position than at the present time to make plans for improving our teacher education programs.

In more detail, there are three primary reasons why the College of Education conducts follow-up evaluative endeavors approximately every third year:

1. We desire to know what graduates think of the courses, projects and experiences in which we more or less forced them to enroll.
2. The responses, as a total group and by each major, should suggest specific and worthwhile changes and revisions in our curriculums.
3. The Ohio State Department of Education and various regional and national accrediting agencies demand that evaluative follow-up studies of past teacher education graduates be completed at periodic intervals and the results utilized to promote better and stronger programs.

Please be assured that your responses will remain anonymous. Only summary tabulations by years of experience, teaching areas, or other groupings will be presented to our faculty and to the accrediting agencies. When your responses have been coded onto computer cards, this questionnaire will be destroyed. Under no circumstances will your responses be known to any of our faculty or used to your betterment or detriment.

We are very appreciative of your cooperation in completing this form.

Please return the completed form via the enclosed pre-addressed, postage-paid envelope within 10 days to two weeks of its receipt.
Thank You.

Sincerely yours,

Fred L. Pigge

Fred L. Pigge, Director
Educational Research & Services

4.

___	___	___	___	___
(1)	(2)	(3)	(4)	(5)

AN APPRAISAL OF MY PREPARATION AS A TEACHER AT BOWLING GREEN STATE UNIVERSITY

There are several sections to this questionnaire. Section A asks for personal data, such as name, major, where you are teaching, etc. The other sections consist of questions which permit you to "evaluate" your experiences at BGSU.

SECTION A: Placement and Experience Data

1. Name ______________________________ Social Security Number ______________ (6-14)
2. Undergraduate Major(s) ______________________ (15-17) Minor(s) ______________________ (18-20)
3. Grades or Subjects Taught During Student Teaching ______________________________ (21-23)
4. Grades or Subjects Taught This Year ______________________________ (24-26)
5. Employing School District ______________________________

name

____

address

____

6. In your opinion, how would your school building be classified?

_________ (1) Urban _________ (2) Rural _________ (3) Suburban (27)

7. In your opinion, are you teaching in a system that is similar in characteristics to the one where you attended high school?

_________ (1) Yes _________ (2) No (28)

8. Including the present year, how many years have you taught? _________ Yrs. (29)

9. When did you graduate from BGSU? 19______ (30-31)

10. What is your current status regarding a Masters degree?

_____ (1) Have not taken any courses _____ (4) About ½ done
_____ (2) Have taken 1 or 2 courses _____ (5) About ¾ done
_____ (3) About ¼ done _____ (6) Have a Masters degree (32)

11. (Optional) What, to the best of your memory, was your final overall undergraduate grade-point average at BGSU?

_____ (1) 2.0 - 2.3 _____ (4) 3.2 - 3.5
_____ (2) 2.4 - 2.7 _____ (5) 3.6 - 3.9
_____ (3) 2.8 - 3.1 _____ (6) 4.0 (33)

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SECTION B: Your Perceived *Need For* and *Proficiency In* Selected Competencies.

Presented below are descriptions of 19 competency areas. To the right, please indicate your felt need for possessing each competency and an estimate of your classroom proficiency.

	Your Felt Need for this Competency						An Estimate of Your Classroom Proficiency In This Area					
	High		Average		Low		High		Average		Low	
	[5]	[4]	[3]	[2]	[1]		[5]	[4]	[3]	[2]	[1]	
Your Ability to:												
1. Teach reading in your grade or subject area	☐	☐	☐	☐	☐	(34)	☐	☐	☐	☐	☐	(35)
2. Deal with pupil behavior problems.	☐	☐	☐	☐	☐	(36)	☐	☐	☐	☐	☐	(37)
3. Select, prepare, and effectively utilize educational media	☐	☐	☐	☐	☐	(38)	☐	☐	☐	☐	☐	(39)
4. Analyze and evaluate your teaching performance skills	☐	☐	☐	☐	☐	(40)	☐	☐	☐	☐	☐	(41)
5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils	☐	☐	☐	☐	☐	(42)	☐	☐	☐	☐	☐	(43)
6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)	☐	☐	☐	☐	☐	(44)	☐	☐	☐	☐	☐	(45)
7. (After diagnosis) make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes	☐	☐	☐	☐	☐	(46)	☐	☐	☐	☐	☐	(47)
8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.	☐	☐	☐	☐	☐	(48)	☐	☐	☐	☐	☐	(49)
9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.	☐	☐	☐	☐	☐	(50)	☐	☐	☐	☐	☐	(51)
10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and invidual work, etc.	☐	☐	☐	☐	☐	(52)	☐	☐	☐	☐	☐	(53)
11. Prepare and develop lesson plans and teaching units	☐	☐	☐	☐	☐	(54)	☐	☐	☐	☐	☐	(55)
12. Prepare teacher made tests and evaluate report pupil progress	☐	☐	☐	☐	☐	(56)	☐	☐	☐	☐	☐	(57)
13. Understand and utilize standardized tests	☐	☐	☐	☐	☐	(58)	☐	☐	☐	☐	☐	(59)
14. Communicate effectively with parents regarding student progress	☐	☐	☐	☐	☐	(60)	☐	☐	☐	☐	☐	(61)
15. Compare, contrast and utilize various educational philosophical viewpoints	☐	☐	☐	☐	☐	(62)	☐	☐	☐	☐	☐	(63)
16. Encourage and facilitate the development of children's social skills and enhanced self-concepts	☐	☐	☐	☐	☐	(64)	☐	☐	☐	☐	☐	(65)
17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	☐	☐	☐	☐	☐	(66)	☐	☐	☐	☐	☐	(67)
18. Adequately challenge your gifted talented students	☐	☐	☐	☐	☐	(68)	☐	☐	☐	☐	☐	(69)
19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom	☐	☐	☐	☐	☐	(70)	☐	☐	☐	☐	☐	(71)

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SECTION C: Where Were The Proficiencies Developed?

In Section B, you noted your needs and proficiencies for 19 competency areas. We now desire you to denote which of the presented areas contributed to your perceived proficiency for each of the competencies. Merely place an "X" in the box which indicates the one area that gave you the concerned proficiency. If more than one area contributed, put "1" in the box which would denote the area that contributed **most**, "2" in the box which denotes second highest, etc.

	AREAS							
Your Ability to:	Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
1. Teach reading in your grade or subject area	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)	[ ] (78)	[ ] (79)
(2 _ _ _ _) 2. Deal with pupil behavior problems	[ ] (6)	[ ] (7)	[ ] (8)	[ ] (9)	[ ] (10)	[ ] (11)	[ ] (12)	[ ] (13)
3. Select, prepare, and effectively utilize educational media	[ ] (14)	[ ] (15)	[ ] (16)	[ ] (17)	[ ] (18)	[ ] (19)	[ ] (20)	[ ] (21)
4. Analyze and evaluate your teaching performance skills	[ ] (22)	[ ] (23)	[ ] (24)	[ ] (25)	[ ] (26)	[ ] (27)	[ ] (28)	[ ] (29)
5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils	[ ] (30)	[ ] (31)	[ ] (32)	[ ] (33)	[ ] (34)	[ ] (35)	[ ] (36)	[ ] (37)
6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)	[ ] (38)	[ ] (39)	[ ] (40)	[ ] (41)	[ ] (42)	[ ] (43)	[ ] (44)	[ ] (45)
7. (After diagnosis) make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes	[ ] (46)	[ ] (47)	[ ] (48)	[ ] (49)	[ ] (50)	[ ] (51)	[ ] (52)	[ ] (53)
8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.	[ ] (54)	[ ] (55)	[ ] (56)	[ ] (57)	[ ] (58)	[ ] (59)	[ ] (60)	[ ] (61)
9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.	[ ] (62)	[ ] (63)	[ ] (64)	[ ] (65)	[ ] (66)	[ ] (67)	[ ] (68)	[ ] (69)
10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc. (3 _ _ _ _)	[ ] (70)	[ ] (71)	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)
11. Prepare and develop lesson plans and teaching units	[ ] (6)	[ ] (7)	[ ] (8)	[ ] (9)	[ ] (10)	[ ] (11)	[ ] (12)	[ ] (13)
12. Prepare teacher made tests and evaluate/report pupil progress	[ ] (14)	[ ] (15)	[ ] (16)	[ ] (17)	[ ] (18)	[ ] (19)	[ ] (20)	[ ] (21)
13. Understand and utilize standardized tests	[ ] (22)	[ ] (23)	[ ] (24)	[ ] (25)	[ ] (26)	[ ] (27)	[ ] (28)	[ ] (29)
14. Communicate effectively with parents regarding student progress	[ ] (30)	[ ] (31)	[ ] (32)	[ ] (33)	[ ] (34)	[ ] (35)	[ ] (36)	[ ] (37)
15. Compare, contrast and utilize various educational philosophical viewpoints	[ ] (38)	[ ] (39)	[ ] (40)	[ ] (41)	[ ] (42)	[ ] (43)	[ ] (44)	[ ] (45)
16. Encourage and facilitate the development of children's social skills and enhanced self-concepts	[ ] (46)	[ ] (47)	[ ] (48)	[ ] (49)	[ ] (50)	[ ] (51)	[ ] (52)	[ ] (53)
17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	[ ] (54)	[ ] (55)	[ ] (56)	[ ] (57)	[ ] (58)	[ ] (59)	[ ] (60)	[ ] (61)
18. Adequately challenge your gifted/talented students	[ ] (62)	[ ] (63)	[ ] (64)	[ ] (65)	[ ] (66)	[ ] (67)	[ ] (68)	[ ] (69)
19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom	[ ] (70)	[ ] (71)	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)

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SECTION D: Please check the one answer you consider most appropriate. (4 _ _ _ _)

1 The **number** of courses or credits required for my major (e.g. English courses for English majors. Math courses for Math majors. etc.) was:

________ (1) too large or too many
(6) ________ (2) too small or too few
________ (3) about right

2 The content of my major was:

________ (1) well adapted to the needs of teachers
(7) ________ (2) only moderately relevant to the needs of teachers
________ (3) largely irrelevant to the needs of teachers

3 The content of my major was:

________ (1) too broad and general for the needs of teachers
(8) ________ (2) too narrow and specialized for the needs of teachers
________ (3) well balanced to provide both breadth and depth

4 Courses in my major were taught in a way that:

________ (1) related the content to the needs of teachers in **most** instances
(9) ________ (2) related the content to the needs of teachers in **some** instances
________ (3) had no observable relationship to the needs of teachers

5 The number of credits or courses required in the professional component (commonly called "the education courses") of the program was:

________ (1) too large or too many
(10) ________ (2) too small or too few
________ (3) about right

6 The content and experiences making up the professional component:

________ (1) were generally well suited to preparation of a teacher
(11) ________ (2) were somewhat suited to preparation of a teacher
________ (3) made little real contribution to preparation of a teacher

7 The general group requirements (Group 1 — Composition. Literature. Speech. Group 2 — Science and Math. Group 3 — Social Science: and Group 4 — Fine and Applied Arts)

________ (1) provided for acquisition of a breadth of knowledge needed by "educated" people
(12) ________ (2) was somewhat valuable
________ (3) was generally a waste of time

8 The general group requirements

________ (1) provided a good background for teachers
(13) ________ (2) was somewhat significant for prospective teachers
________ (3) was generally of little significance for prospective teachers

9 Bowling Green State University gave me very early in my studies an adequate orientation to teacher education, e.g., career options, employment potential, working conditions/expectations, salaries, etc.

	5 Strongly Agree	4 Agree	3 No Opinion	2 Disagree	1 Strongly Disagree
(14)	☐	☐	☐	☐	☐

10 Please provide a rating of the value of each of the following seven areas in your preparation to become a teacher

	5 **Highly Positive**	4 **Positive**	3 **Average or So-So**	2 **Negative**	1 **Highly Negative**	0 **Not Required in My Program**	
1 Educational Psychology (Educ. 302)	☐	☐	☐	☐	☐	☐	(15)
2 Methods course (or methods sequence if elementary or special education major)	☐	☐	☐	☐	☐	☐	(16)
3 Tests and Measurements (Most recent title Assessment and Evaluation in Education) (Educ. 402)	☐	☐	☐	☐	☐	☐	(17)
4 Philosophy of Education (Most recent title Education in a Pluralistic Society) (Educ. 408)	☐	☐	☐	☐	☐	☐	(18)
5 American School System (Most recent title Organization and Administration of Education in American Society) (Educ. 409)	☐	☐	☐	☐	☐	☐	(19)
6 Student Teaching	☐	☐	☐	☐	☐	☐	(20)
7 Student Teaching Seminars	☐	☐	☐	☐	☐	☐	(21)

SECTION E: Off-Campus Field Experiences

Without a doubt you had several experiences in public elementary and secondary schools while a student at Bowling Green State University. The following questions relate to these off-campus experiences.

1. How do you feel about the adequacy of the **University** supervision when you were doing:

	5 **Excellent**	4 **Good**	3 **Average**	2 **Bel. Average**	1 **Poor**	
A. Student Teaching	☐	☐	☐	☐	☐	(22)
B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?	☐	☐	☐	☐	☐	(23)

2. The above question dealt with university supervision. In the same frame of reference, how do you feel about the adequacy of the supervision given you by the classroom teacher(s) during:

A. Student Teaching	☐	☐	☐	☐	☐	(24)
B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?	☐	☐	☐	☐	☐	(25)

3. How do you feel about the value of the field experiences, other than student teaching, such as Merge, MEP, Interaction, Alternatives in Education, Help-A-Child, Milton, Crim's PER, IET's 288 Field Experience, etc. in preparing you to be a teacher?

A. I can't respond because I was not involved in any of these special experiences. ☐

B. I consider these experiences to have been:

5 Highly Valuable	4 Valuable	3 Average or So-So	2 Of Little Value	1 Of No Value	
☐	☐	☐	☐	☐	(26)

C. Approximately how many academic quarters were you involved in one or more of these experiences? (Do not count the student teaching quarter)

_______ quarters (27)

SECTION F: Academic and Career Advising at BGSU

	5 **Highly Positive**	4 **Positive**	3 **Average or So-So**	2 **Negative**	1 **Highly Negative**	
1. How do you feel about the quality of advising from your major area, such as the English, Math, Elementary Education areas?	☐	☐	☐	☐	☐	(28)
2. Advice and guidance from the Program Advisement Center located on the 3rd floor of the Education Building?	☐	☐	☐	☐	☐	(29)
3. Advice from individual professors you might have sought out?	☐	☐	☐	☐	☐	(30)
4. How do you feel in a general sense about the quality of overall **academic** advising services that were available to you throughout your years at the University?	☐	☐	☐	☐	☐	(31)
5. How do you feel in a general sense about the quality of overall **career** advising services that were available to you?	☐	☐	☐	☐	☐	(32)
6. Please rate the services of the Career and Placement Center in helping you find a teaching position.	☐	☐	☐	☐	☐	(33)

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SECTION G: Instructional Materials at BGSU

1. Please rate the materials and services of the **Instructional Media Center** (located in the Education Building)

☐ I did not use the center, therefore I cannot rate their service. (34)

	5 **Highly Positive**	4 **Positive**	3 **Average or So-So**	2 **Negative**	1 **Highly Negative**	
A. Hours of accessibility	☐	☐	☐	☐	☐	(35)
B. Workshop facilities where you could prepare new instructional materials or copy existing materials	☐	☐	☐	☐	☐	(36)
C. Availability of materials	☐	☐	☐	☐	☐	(37)
D. Usage regulations	☐	☐	☐	☐	☐	(38)
E. Helpfulness of staff	☐	☐	☐	☐	☐	(39)
F. Relation to coursework	☐	☐	☐	☐	☐	(40)

2. Please rate the materials and services of the **Curriculum Library** (located in the Library)

☐ I did not use the Curriculum Library, therefore I cannot rate their services. (41)

A. Hours of accessibility	☐	☐	☐	☐	☐	(42)
B. Workshop facilities where you could prepare new instructional materials or copy existing materials	☐	☐	☐	☐	☐	(43)
C. Various media, such as maps, globes, charts, pictures, films, video, audio tapes, recordings, etc.	☐	☐	☐	☐	☐	(44)
D. Examples of courses of study and teaching units	☐	☐	☐	☐	☐	(45)
E. Examples of books commonly used in the elementary and secondary schools	☐	☐	☐	☐	☐	(46)
F. Availability of materials	☐	☐	☐	☐	☐	(47)
G. Usage regulations	☐	☐	☐	☐	☐	(48)
H. Helpfulness of staff	☐	☐	☐	☐	☐	(49)
I. Relation to course work	☐	☐	☐	☐	☐	(50)

3. Please rate the materials and services of the **Clinical Lab** (located on the second floor of the Education Building and established during the 1978-79 academic year).

☐ I did not use the Clinical Lab. (51)

A. Hours of accessibility	☐	☐	☐	☐	☐	(52)
B. Various media and materials	☐	☐	☐	☐	☐	(53)
C. Helpfulness of staff	☐	☐	☐	☐	☐	(54)
D. Availability of materials	☐	☐	☐	☐	☐	(55)
E. Relation to course work	☐	☐	☐	☐	☐	(56)

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SECTION H: Your General Reactions

	5 Strongly Agree	4 Agree	3 No Comment	2 Disagree	1 Strongly Disagree	
A. Your Attitudes						
1. I love to teach.	☐	☐	☐	☐	☐	(57)
2. If I could plan my career again, I would choose teaching.	☐	☐	☐	☐	☐	(58)
3. I feel successful and competent in my present position.	☐	☐	☐	☐	☐	(59)
4. I really enjoy working with my students	☐	☐	☐	☐	☐	(60)
5. If I could earn as much money in another occupation, I would still continue to teach.	☐	☐	☐	☐	☐	(61)
B. Summary						
1. I was adequately prepared by BGSU as an entry level teacher.	☐	☐	☐	☐	☐	(62)

2. How can we better prepare teachers in your area of specialization? (If possible, give specific suggestions.)

3. We plan to select at random some principals of our 1976-80 graduates and ask them to respond to questions related to the teacher education program at BGSU and to the success of its graduates. If you have any objections to our contacting your principal about our program and the comparative success of its graduates, please so state below:

education programs an overall-general evaluation was presented on page 8 of the instrument (Item HB1) and was worded:

"I was adequately prepared by BGSU as an entry level teacher."

Our teaching graduates were asked to respond in a strongly agree to strongly disagree format. In more detail, the responses were:

Weight	Description
1	-- Strongly Disagree
2	-- Disagree
3	-- No Comment
4	-- Agree
5	-- Strongly Agree

The table presented on the next page presents a summary of the teachers' responses.

A program area mean above 3.00 indicates more people responded affirmatively than negatively. It may be observed that each of the 18 program areas had a mean above 3.00; in fact, the means ranged between lows of 3.41 and 3.42 (Home Economics and Industrial Education, respectively) to highs of 4.17 and 4.33 (HPER and Distributive Education, respectively).

Overall, it would seem that the graduates gave each program area a "positive" evaluation -- some program areas were given more positive ratings than others.

The table certainly presents pertinent data other than overall means. For example, simple addition reveals that 24% of the Art majors disagreed (D or SD) with the statement, as did 25% of the English, 26% of the Home Economics, 22% of the Industrial Education, 22% of the Math and 25% of the science majors.

An interested reader could also ascertain the percent of program respondents who agreed (A or SA) with the statement.

1. I was adequately prepared by BGSU as an entry level teacher.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	5	17	1	3	19	66	2	7	3.48
2. Business	35	0	0	2	6	3	9	24	69	6	17	3.97
3. Distributive Ed	9	0	0	0	0	0	0	6	67	3	33	4.33
4. Elementary Education	128	2	2	9	7	12	9	73	57	32	25	3.97
5. English	24	2	8	4	17	2	8	13	54	3	13	3.46
6. Foreign Language	15	0	0	2	13	2	13	8	53	3	20	3.80
7. HPER	59	0	0	3	5	1	2	38	64	17	29	4.17
8. Home Economics	44	2	5	9	21	5	11	25	57	3	7	3.41
9. Industrial Education	19	2	11	2	11	2	11	12	63	1	5	3.42
10. LEM	14	1	7	1	7	1	7	9	64	2	14	3.71
11. Math, Comp Science	27	0	0	6	22	3	11	16	59	2	7	3.62
12. Music	46	2	4	4	9	2	4	25	54	13	28	3.93
13. Psychology	4	0	0	1	25	0	0	3	75	0	0	3.60
14. Science	20	0	0	5	25	2	10	11	55	2	10	3.60
15. Social Science	29	1	3	5	17	3	10	14	48	6	21	3.66
16. Special Educ	138	3	2	10	7	8	6	78	57	39	28	4.01
17. Speech	10	0	0	2	20	1	10	5	50	2	20	3.70
18. Speech & Hearing	35	1	3	6	17	1	3	22	63	5	14	3.69
TOTAL	685	18	3	76	11	49	7	401	59	141	21	3.83

For the total group of 685 teachers who responded to this statement, 80% thought they were adequately prepared as entry level teachers by BGSU, 7% really didn't know, and 14% thought their preparation was somewhat lacking.

Section 2

A Description of the Population and Samples

Introduction

A request was made of the Computer Services Division of the Ohio State Department of Education on November 11, 1980 to provide Bowling Green State University with address labels of its 1975-79 graduates (and their principals) who were full-time teachers in the State of Ohio during the 1979-80 school year.

The Computer Services Division, keying on furnished social security numbers of our past graduates, provided us with multiple sets of address labels for approximately 1700 teachers and their principals. College of Education data was used in contacting the first-year teachers (1979-80 graduates). This latter group consisted of approximately 350 persons who were teaching in Ohio.

Data presented in Table 1 indicate that the total population of BGSU graduates for this study was 2055. Due to the circumstances of having to use "last year's addresses" for "this year's teachers" and based upon the quantity of unopened "wrong address" envelopes returned to us, it was assumed that 90% of the names/addresses were valid. One-hundred percent sampling was used for all majors except elementary and special education. A 50% sampling was used with these two majors. The total number of possible teacher (and principal) respondents was 1386, as data in Table 1 imply.

The Respondents

Table 1 presents a breakdown by majors of the population and sample returns. For illustration, data in Table 1 show that 29 of the 63 art majors returned their responses -- a 46% return rate for this major. Thirty-nine

Table 1
Populations and Samples for the Basic Graduates and Their Principal

Major	Number of Graduates Identified as Teaching in Ohio During 1979-80	Valid Population (Less 10%)**	Sample Returns Teachers		Sample Returns Principals	
			N	%	N	%
Art	70	63	29	46	39	62
Business	63	57	35	61	43	75
Distributive Educ	21	19	9	47	15	79
Elementary Educ	450 (225)*	203	130	64	163	80
English	76	68	24	35	40	59
Foreign Language	31	28	15	54	15	54
HPER	147	132	59	45	83	63
Home Economics	93	84	44	52	48	57
Industrial Educ	53	48	19	40	25	52
LEM	28	25	15	60	14	56
Math, Computer Sci	55	50	27	54	33	66
Music	131	118	46	39	74	63
Psychology	7	6	4	67	5	83
Science	59	53	20	38	36	68
Social Science	73	66	30	45	38	58
Special Educ	582 (291)*	262	140	53	176	67
Speech	27	24	11	46	12	50
Speech & Hearing	89	80	37	46	44	55
Total	2055(1539)*	1386	694	50	903	65

* A fifty percent sample for elementary education and special education was used. Thus, 225 elementary and 291 special education majors composed the original sample. The original non-corrected population consisted of 1539 teachers.

** The 1979-80 Ohio Department of Education's Principals' Reports (October, 1979) were used for the involved 1975-79 teachers. Interpreting number of unopened envelopes returned etc, a 90% validity figure was assumed. (College of Education records were used for 1979-80 first-year teachers.)

of the 63 principals returned their evaluations, a return rate of 62%.

Six hundred ninety-four (694) teacher responses were received from what was thought to be a valid population of 1386. This amounted to a teacher return rate of 50%. For the principals, 903 or 65% returned "evaluations" of the teachers' performances.

Table 2 breaks the sample down by years of experience and other data. For example, data in Table 2 reveal the following:

> One hundred fifty-three (153) respondents had 3 years of teaching experience; the 153 comprised 22% of the total sample of 694. There were 1006 graduates who qualified for teaching certificates during the 1977-78 academic year. Each graduate was asked, approximately 3 months after graduation to reveal whether he/she had a full-time teaching position. Eight hundred thirty-nine (839) or 83% of the class responded to the survey; 493 or 59% had obtained full-time teaching positions. The 153 respondents was 34% of the number of full-time teachers (493).

In summary, the 694 respondents were probably about a 30% sample of all the graduates who become full time teachers.

Table 2
Additional Data Describing the Sample

Year of Graduation	Years of Teaching Experience	Responses		Total Number of Graduates	# and % of Graduates Who Completed Follow-up Instruments 3 mos After Graduation		# and % of Full Time Teachers Based on Follow-up Data		Present Study Responses as % of Full-time Teachers
		N	% of Total Sample		N	%	N	%	%
1979-80	1	138	20	821	684	83	367	54	34
1978-79	2	125	18	881	707	80	436	62	35
1977-78	3	153	22	1006	839	83	493	59	34
1976-77	4	167	24	1113	1000	90	490	49	23
1975-76	5	111	16	1271	1206	95	609	50	18
Total		694	100	5092	4436	87	2395	54	29

Section 3

Summary of the Graduates' (Teachers') Responses by Majors to Each Item on the Instrument

A. Placement and Experience Data

The purpose of this subsection is to present the responses to the few appropriate Section A items presented on page 2 of the instrument.

Tables are numbered (labeled) by instrument item whose responses they are summarizing. For example, Table A6 presents data related to item 6 in Section A (page 2) of the instrument. This type of table numbering will be followed throughout the entire report.

Only brief narrative summaries will be made for each table -- the interested reader(s) may extend the findings by examining the various responses by major etc.

Table A6 data reveal that for the total group of respondents, 23% reported they were teaching in urban, 45% in rural, and 33% in suburban areas.

Table A7 data show that 55%, overall, reportedly were teaching in the same type of school system as where they attended high school.

Table A8 reveals that 20% of the respondents had 1 year of teaching experience and that 18%, 22%, 24%, and 16% had 2, 3, 4, and 5 years, respectively, teaching experience.

Table A10 (Item A9 was omitted) shows that at the time of data collection, 54% of the respondents had not taken any courses toward an advanced degree, that 24% had taken 1 or 2 courses, ... , and that 4% had a masters degree.

Table A11 shows that 10% of the respondents had the rough equivalent of "C" grade point averages in college (2.0 to 2.7), that 69% had low "B" to high "B" averages (2.8 to 3.5), and that 21% had "A" averages (3.6 to 4.0).

Table A6

Item: 6. In your opinion, how would your school building be classified?

_____ (1) urban _____ (2) rural _____ (3) suburban

		Responses					
		1		2		3	
	N	f	%	f	%	f	%
1. Art	27	11	41	10	37	6	22
2. Business	33	7	21	12	36	14	42
3. Distributive Ed	9	3	33	1	11	5	56
4. Elementary Education	128	27	21	57	45	44	34
5. English	24	6	25	10	42	8	33
6. Foreign Language	15	2	13	9	60	4	27
7. HPER	57	11	19	31	54	15	26
8. Home Economics	42	8	19	23	55	11	26
9. Industrial Education	18	4	22	8	44	6	33
10. LEM	15	2	13	10	67	3	20
11. Math, Comp Science	26	6	23	6	23	14	54
12. Music	47	8	17	21	45	18	38
13. Psychology	5	1	20	3	60	1	20
14. Science	20	2	10	11	55	7	35
15. Social Science	30	7	23	15	50	8	27
16. Special Educ	137	41	30	50	37	46	34
17. Speech	11	2	18	4	36	5	46
18. Speech & Hearing	37	5	14	23	62	9	24
TOTAL	681	153	23	304	45	224	33

Table A7

Item: 7. In your opinion, are you teaching in a system that is similar in characteristics to the one where you attended high school?

_____ (1) Yes _____ (2) No

		Responses			
		1		2	
	N	f	%	f	%
1. Art	29	17	59	12	41
2. Business	35	16	46	19	54
3. Distributive Ed	9	5	56	4	44
4. Elementary Education	128	84	66	44	34
5. English	23	10	44	13	57
6. Foreign Language	15	10	67	5	33
7. HPER	59	29	49	30	51
8. Home Economics	44	17	39	27	61
9. Industrial Education	19	12	63	7	37
10. LEM	15	8	53	7	47
11. Math, Comp Science	26	13	50	13	50
12. Music	48	24	50	24	50
13. Psychology	5	1	20	4	80
14. Science	20	16	80	4	20
15. Social Science	30	17	57	13	43
16. Special Educ	140	72	51	68	49
17. Speech	12	8	67	4	33
18. Speech & Hearing	36	22	61	14	39
TOTAL	693	381	55	312	45

Table A8

Item: 8. Including the present year, how many years have you taught?
_____ Yrs

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	3	10	9	31	8	28	7	24	2	7	2.86
2. Business	35	10	29	6	17	8	23	5	14	6	17	2.74
3. Distributive Ed	9	0	0	1	11	3	33	1	11	4	44	3.89
4. Elementary Education	130	23	18	19	15	31	24	34	26	23	18	3.12
5. English	24	2	8	5	21	6	25	6	25	5	21	3.29
6. Foreign Language	15	4	27	3	20	2	13	3	20	3	20	2.87
7. HPER	59	7	12	8	14	16	27	21	36	7	12	3.22
8. Home Economics	44	5	11	5	11	12	27	14	32	8	18	3.34
9. Industrial Education	19	2	11	4	21	7	37	1	5	5	26	3.16
10. LEM	15	1	7	2	13	6	40	4	27	2	13	3.27
11. Math, Comp Science	27	3	11	5	19	6	22	6	22	7	26	3.33
12. Music	48	10	21	12	25	12	25	13	27	1	2	2.65
13. Psychology	4	0	0	1	25	1	25	2	50	0	0	3.25
14. Science	20	5	25	3	15	1	5	8	40	3	15	3.05
15. Social Science	30	1	3	10	33	7	23	8	27	4	13	3.13
16. Special Educ	138	52	38	20	15	17	12	25	18	24	17	2.63
17. Speech	11	3	27	5	46	2	18	1	9	0	0	2.09
18. Speech & Hearing	37	7	19	7	19	8	22	8	22	7	19	3.03
TOTAL	694	138	20	125	18	153	22	167	24	111	16	2.98

Table A10

Item: 10. What is your current status regarding a Masters degree?

______ (1) Have not taken any courses.
______ (2) Have taken 1 or 2 courses.
______ (3) About 1/2 done.
______ (4) About 1/2 done.
______ (5) About 3/4 done.
______ (6) Have a Masters degree

Responses

	N	1		2		3		4		5		6	
		f	%	f	%	f	%	f	%	f	%	f	%
1. Art	29	21	72	7	24	1	3	0	0	0	0	0	0
2. Business	35	26	74	1	3	2	6	2	6	1	3	3	9
3. Distributive Ed	9	3	33	3	33	3	33	0	0	0	0	0	0
4. Elementary Education	130	61	47	37	29	12	9	10	8	5	4	5	4
5. English	24	12	50	6	25	4	17	0	0	2	8	0	0
6. Foreign Language	15	9	60	3	20	0	0	0	0	1	7	2	13
7. HPER	59	30	51	15	25	3	5	6	10	1	2	4	7
8. Home Economics	44	31	71	5	11	4	9	2	5	1	2	1	2
9. Industrial Education	19	15	79	3	16	0	0	1	5	0	0	0	0
10. LEM	15	8	53	3	20	1	7	1	7	1	7	1	7
11. Math, Comp Science	27	11	41	5	19	4	15	3	11	2	7	2	7
12. Music	48	27	56	15	31	1	2	3	6	1	2	1	2
13. Psychology	5	2	40	1	20	0	0	1	20	0	0	1	20
14. Science	20	11	55	3	15	3	15	0	0	2	10	1	5
15. Social Science	30	13	43	9	30	3	10	4	13	1	3	0	0
16. Special Educ	140	74	53	38	27	11	8	8	6	5	4	4	3
17. Speech	12	5	42	4	33	1	8	1	8	0	0	1	8
18. Speech & Hearing	37	18	49	9	24	3	8	1	3	4	11	2	5
TOTAL	698	377	54	167	24	56	8	43	6	27	4	28	4

Table A11

Item: 11. (Optional) What, to the best of your memory, was your final overall undergraduate grade-point average at BGSU?

____ (1) 2.0 - 2.7 ____ (2) 2.8 - 3.5 ____ (3) 3.6 - 4.0

		Responses					
		1		2		3	
	N	f	%	f	%	f	%
1. Art	28	1	4	24	86	3	11
2. Business	33	9	27	21	64	3	9
3. Distributive Ed	9	3	33	6	67	0	0
4. Elementary Education	126	10	8	89	71	27	21
5. English	24	2	8	16	67	6	25
6. Foreign Language	15	1	7	5	33	9	60
7. HPER	59	8	14	45	76	6	10
8. Home Economics	42	4	10	29	69	9	21
9. Industrial Education	19	6	32	10	53	3	16
10. LEM	15	0	0	12	80	3	20
11. Math, Comp Science	27	4	15	20	74	3	11
12. Music	48	0	0	33	69	15	31
13. Psychology	5	0	0	2	40	3	60
14. Science	20	1	5	16	80	3	15
15. Social Science	29	7	24	18	62	4	14
16. Special Educ	139	8	6	94	68	37	27
17. Speech	12	2	17	9	75	1	8
18. Speech & Hearing	37	4	11	27	73	6	16
TOTAL	687	70	10	476	69	141	21

B. Perceived Need for and Proficiency in Selected Competencies

There were 19 competency areas presented in Part B of the instrument. Each respondent was asked to evaluate the need for that competency in his/her present teaching position and then to evaluate his/her proficiency in that area.

The basic findings, per each of the 19 items, are presented in 38 tables, e.g. Tables B1N and B1P summarize the respondents' evaluations of their needs (N) and proficiencies (P) for competency 1, Ability to Teach Reading. In addition, 19 graphs are also presented.

The response format for Section B of the instrument was:

Your Felt Need for this Competency					An Estimate of Your Classroom Proficiency In This Area				
High		**Average**		**Low**	**High**		**Average**		**Low**
[5]	[4]	[3]	[2]	[1]	[5]	[4]	[3]	[2]	[1]

The table presented on the next page serves as an introductory summary for this section. This table presents the 19 competency statements, the need means and their ranks based on the total number of responses per item, the proficiency means and their ranks, and the mean discrepancy scores, their ranks, and descriptions.

Data presented in this table show that the five most needed competencies, overall, were: ability to deal with pupils behavior problems (Item 2), to motivate student achievement (Item 9), to work with others (Item 8), to communicate effectively with parents (Item 14), and to provide, after self-analysis, more effective instruction (Item 5).

The five areas where the total group of teachers thought themselves most proficient were: abilities to work with others (Item 8), to prepare/develop lesson plans/units (Item 11), to motivate student achievement (Item 9), to prepare teacher-made tests (Item 12), and to encourage/develop pupil social skills/self concepts (Item 16).

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Overall Summary Table for Section B

Item	Total X Need	X Rank	Total Prof	Rank	Discrepancy Need X-Prof X	Rank of Discrepancy	Description of the Discrepancy*
1. Teach reading in your grade or subject area.	3.56	17	3.15	17	.41	9.5	Small
2. Deal with pupil behavior problems.	4.46	1	3.84	7	.62	5	Large
3. Select, prepare, and effectively utilize educational media.	3.98	11	3.63	10	.35	13	Small
4. Analyze and evaluate your teaching performance skills.	4.09	7	3.69	9	.40	11	Small
5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.	4.22	5	3.71	8	.51	6	Moderate
6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)	3.91	15	3.28	14.5	.63	4	Large
7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.	3.94	13	3.28	14.5	.66	3	Large
8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.	4.29	3	4.31	1	-.02	18	None
9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.	4.41	2	3.97	3	.44	8	Small
10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.	4.07	8	3.60	11	.47	7	Moderate
11. Prepare and develop lesson plans and teaching units.	4.05	9	4.02	2	.03	16	None
12. Prepare teacher made tests and evaluate/report pupil progress.	4.02	10	3.92	4.5	.10	15	None
13. Understand and utilize standardized tests.	3.21	18	3.21	16	.00	17	None
14. Communicate effectively with parents regarding student progress.	4.24	4	3.85	6	.39	12	Small
15. Compare, contrast and utilize various educational philosophical viewpoints.	3.05	19	3.09	19	-.04	19	None
16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.	4.21	6	3.92	4.5	.29	14	Small
17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	3.70	16	3.29	13	.41	9.5	Small
18. Adequately challenge your gifted/talented students.	3.93	14	3.12	18	.81	1	Very Large
19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom	3.97	12	3.30	12	.67	2	Large

*Discrepancy differences were classified as follows:

>.81	Very Large Discrepancy	# of items 1
.62 to .67	Large Discrepancy	# of items 4
.47 to .51	Moderate Discrepancy	# of items 2
.29 to .44	Small Discrepancy	# of items 7
-.04 to .10	Essentially no Discrepancy	# of items 5

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The Summary Table also presents discrepancy scores, their ranks, and a judgemental verbal description of the scores.

There was one item (area) where the difference between proficiency mean and the need mean was classified as very large: Item 18. The teachers had a need mean that was .81 higher than their proficiency mean in the area of "adequately challenging their gifted and talented students."

Four other areas where the teacher seem to be indicating need for assistance are:

1. Being able to guide the mainstreamed handicapped pupils (Item 19)
2. To make prescriptions (after diagnosis) (Item 7)
3. To diagnose pupil learning difficulties (Item 6)
4. To deal with pupil behavior problems (Item 2).

The above findings are based on the total group of teachers; interested program faculty can ascertain comparable findings for their majors only.

The rest of this section presents tables and graphs which summarize how the various teachers responded to each of the 19 x 2 = 38 items (need and proficiency(2) for each of 19 items). A chart accompanies each set of tables which summarize an item.

As suggested before, program faculty are herewith given the necessary data for further analysis of this data.

The various graphs make it possible for the interested readers to determine rather quickly discrepancy, if any, between the teachers' needs and proficiencies per major.

Table B1N

Item: 1. Teach reading in your grade or subject area.

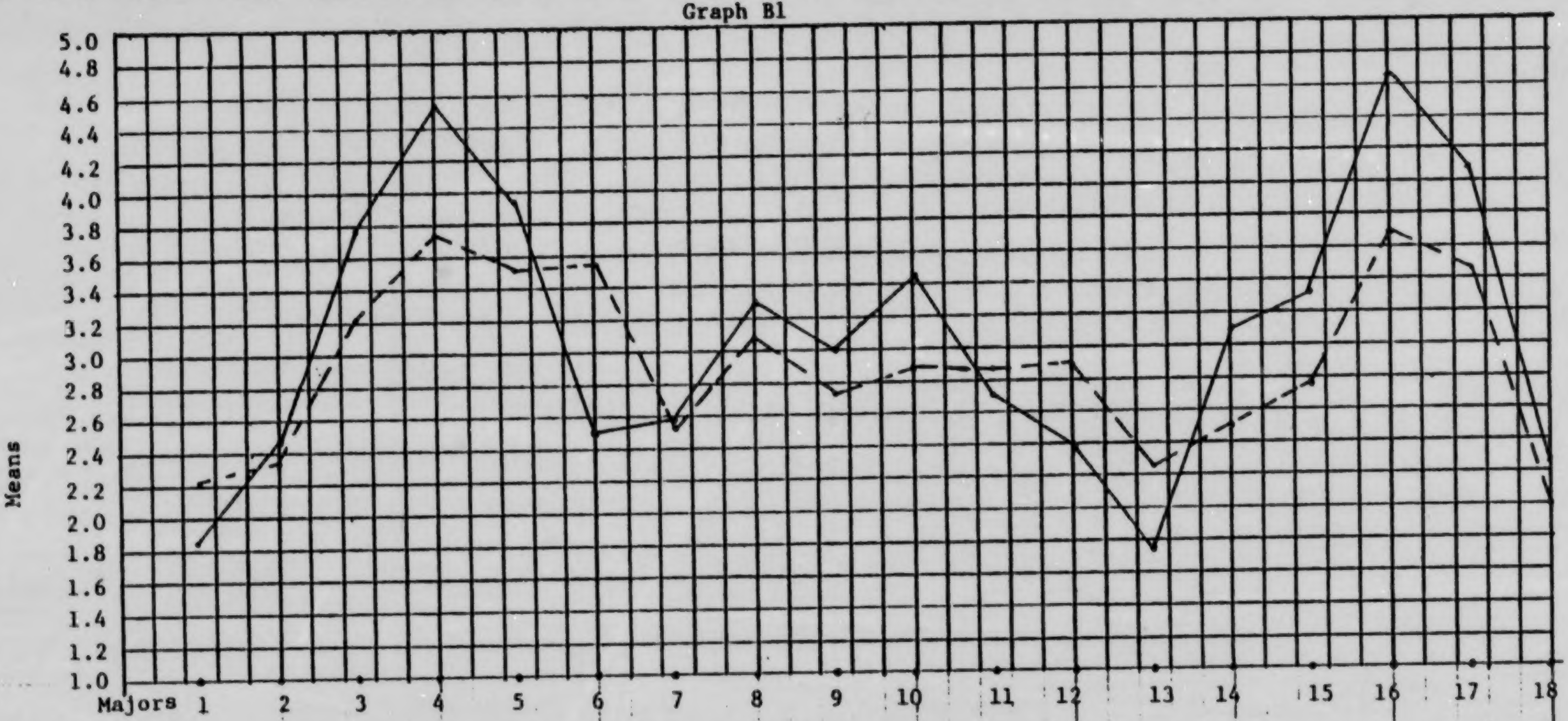
		Responses										
NEED		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	24	15	63	2	8	4	17	2	8	1	4	1.83
2. Business	34	8	24	7	21	15	44	3	9	1	3	2.47
3. Distributive Ed	9	0	0	1	11	4	44	0	0	4	44	3.78
4. Elementary Education	127	1	1	0	0	17	13	18	14	91	72	4.56
5. English	24	1	4	0	0	7	29	7	29	8	38	3.96
6. Foreign Language	14	4	29	3	21	4	29	2	14	1	7	2.50
7. HPER	51	18	35	3	6	20	39	2	4	8	16	2.59
8. Home Economics	43	6	14	4	9	14	33	9	21	10	23	3.30
9. Industrial Education	19	2	11	4	21	7	37	4	21	2	11	3.00
10. LEM	14	2	14	1	7	3	21	5	36	3	21	3.43
11. Math, Comp Science	26	4	15	6	23	11	42	3	12	2	8	2.73
12. Music	42	19	45	3	7	9	21	6	14	5	12	2.40
13. Psychology	4	2	50	1	25	1	25	0	0	0	0	1.75
14. Science	19	3	16	4	21	4	21	4	21	4	21	3.10
15. Social Science	30	3	10	2	7	12	40	8	27	5	17	3.33
16. Special Educ	138	0	0	3	2	8	6	23	17	104	75	4.65
17. Speech	11	0	0	0	0	4	36	2	18	5	46	4.09
18. Speech & Hearing	25	10	40	6	24	4	16	3	12	2	8	2.24
TOTAL	654	98	15	50	8	148	23	101	15	257	39	3.56

Table B1P

Item: 1. Teaching reading in your grade or subject area.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	23	7	30	5	22	10	44	1	4	0	0	2.22
2. Business	34	8	24	11	32	11	32	3	9	1	3	2.35
3. Distributive Ed	9	0	0	3	33	2	22	3	33	1	11	3.22
4. Elementary Education	127	0	0	4	3	47	37	52	31	24	19	3.76
5. English	23	0	0	3	13	7	30	11	48	2	9	3.52
6. Foreign Language	14	0	0	3	21	3	21	5	36	3	21	3.57
7. HPER	48	11	23	6	13	25	52	5	10	1	2	2.56
8. Home Economics	42	2	5	10	24	15	36	13	31	2	5	3.07
9. Industrial Education	19	0	0	9	47	6	32	4	21	0	0	2.74
10. LEM	14	1	7	5	36	3	21	5	36	0	0	2.86
11. Math, Comp Science	26	0	0	8	31	14	54	4	15	0	0	2.85
12. Music	38	9	24	3	8	13	34	9	24	4	11	2.89
13. Psychology	4	2	50	1	25	0	0	0	0	1	25	2.25
14. Science	20	5	25	3	15	9	45	3	15	0	0	2.50
15. Social Science	30	3	10	9	30	11	37	6	20	1	3	2.77
16. Special Educ	139	2	1	9	7	39	28	72	52	17	12	3.67
17. Speech	11	0	0	1	9	5	46	4	36	1	9	3.45
18. Speech & Hearing	25	12	48	5	20	5	20	2	8	1	4	2.00
TOTAL	646	62	10	98	15	225	35	202	31	59	9	3.15

Graph B1



Item: 1. Teach reading in your grade or subject area.

———— Need

– – – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B2N

Item: 2. Deal with pupil behavior problems.

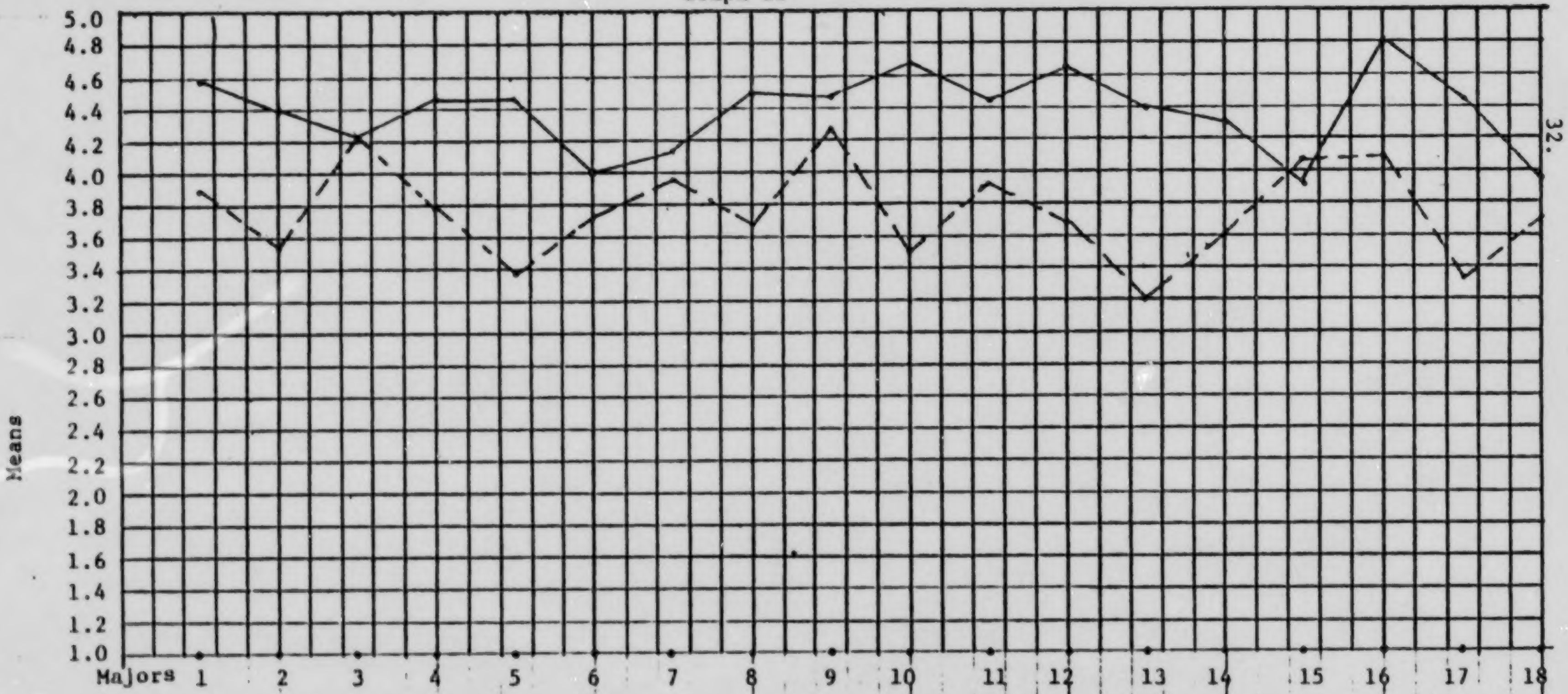
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	3	10	6	21	20	69	4.59
2. Business	35	0	0	1	3	2	6	14	40	18	51	4.40
3. Distributive Ed	9	1	11	1	11	0	0	0	0	7	78	4.22
4. Elementary Education	129	2	2	2	2	14	11	26	20	85	66	4.47
5. English	24	0	0	0	0	3	13	7	29	14	58	4.46
6. Foreign Language	15	1	7	1	7	1	7	6	40	6	40	4.00
7. HPER	58	3	5	4	7	6	10	13	22	43	55	4.16
8. Home Economics	44	2	5	1	2	1	2	9	21	31	71	4.50
9. Industrial Education	19	0	0	1	5	2	11	3	16	13	68	4.47
10. LEM	15	0	0	0	0	1	6	3	20	11	73	4.67
11. Math, Comp Science	27	0	0	1	4	2	7	8	30	16	59	4.44
12. Music	48	1	2	1	2	2	4	7	15	37	77	4.63
13. Psychology	5	0	0	0	0	1	20	1	20	3	60	4.40
14. Science	19	0	0	1	5	2	11	6	32	10	53	4.32
15. Social Science	30	1	3	3	10	4	13	11	37	11	37	3.93
16. Special Educ	139	0	0	0	0	5	4	18	13	116	84	4.80
17. Speech	11	0	0	1	9	1	9	1	9	8	73	4.45
18. Speech & Hearing	36	1	3	1	3	9	25	12	33	13	36	3.97
TOTAL	692	12	2	19	3	59	9	151	22	451	65	4.46

Table B2P

Item: 2. Deal with pupil behavior problems.

PROFICIENCY	N	Responses 1 f	1 %	2 f	2 %	3 f	3 %	4 f	4 %	5 f	5 %	Mean
1. Art	28	1	4	0	0	5	18	17	61	5	18	3.89
2. Business	35	1	3	4	11	10	29	14	40	6	17	3.57
3. Distributive Ed	9	0	0	0	0	0	0	7	78	2	22	4.22
4. Elementary Education	130	3	2	2	2	36	28	67	52	22	17	3.79
5. English	23	4	17	2	9	3	13	9	39	5	22	3.39
6. Foreign Language	15	0	0	0	0	6	40	7	47	2	13	3.73
7. HPER	58	0	0	3	5	10	17	31	53	14	24	3.97
8. Home Economics	43	0	0	5	12	11	26	20	47	7	16	3.67
9. Industrial Education	19	0	0	0	0	3	16	8	42	8	42	4.26
10. LEM	15	0	0	2	13	4	27	8	53	1	7	3.53
11. Math, Comp Science	27	0	0	1	4	5	19	16	59	5	19	3.93
12. Music	48	0	0	1	2	20	42	21	44	6	13	3.67
13. Psychology	5	0	0	0	0	4	80	1	20	0	0	3.20
14. Science	20	2	10	0	0	6	30	8	40	4	20	3.60
15. Social Science	30	0	0	0	0	4	13	20	67	6	20	4.07
16. Special Educ	140	0	0	5	4	21	15	72	51	42	30	4.08
17. Speech	11	0	0	3	27	4	36	1	9	3	27	3.36
18. Speech & Hearing	37	1	3	2	5	13	35	12	32	9	24	3.70
TOTAL	693	12	2	30	4	165	24	339	49	147	21	3.84

Graph B2



Item: 2. Deal with pupil behavior problems.

——————— Need

– – – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B3N

Item: 3. Select, prepare, and effectively utilize educational media.

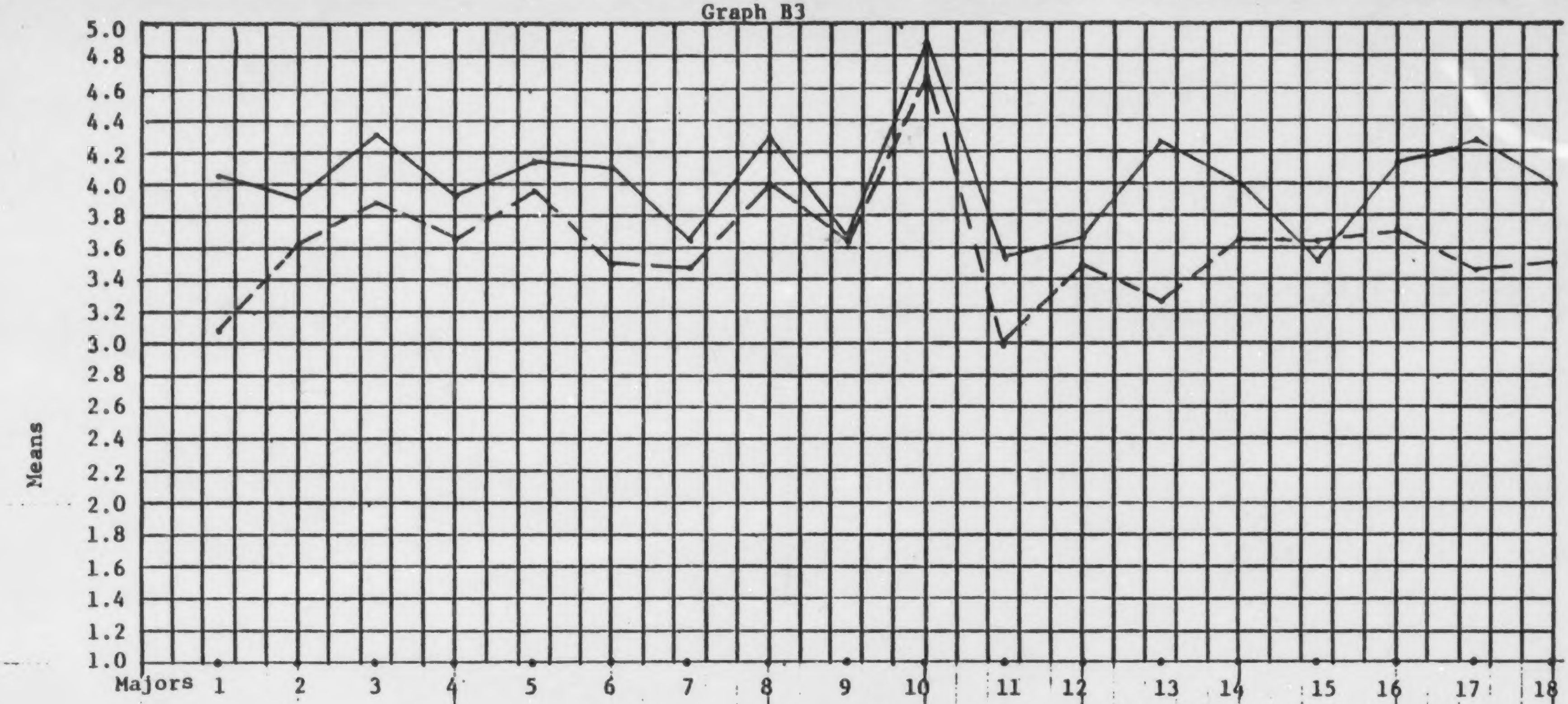
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	7	24	14	48	8	28	4.03
2. Business	35	0	0	1	3	9	26	16	46	9	26	3.94
3. Distributive Ed	9	0	0	0	0	1	11	4	44	4	44	4.33
4. Elementary Education	129	1	1	6	5	33	26	48	37	41	32	3.95
5. English	24	0	0	0	0	5	21	10	42	9	38	4.17
6. Foreign Language	15	0	0	1	7	3	20	4	27	7	47	4.13
7. HPER	58	2	3	3	5	19	33	24	41	10	17	3.64
8. Home Economics	44	1	2	0	0	6	14	15	34	22	50	4.30
9. Industrial Education	19	1	5	0	0	6	32	9	47	3	16	3.68
10. LEM	15	0	0	0	0	0	0	2	13	13	87	4.87
11. Math, Comp Science	27	2	7	3	11	7	26	8	30	7	26	3.56
12. Music	47	2	4	5	11	15	32	11	23	14	30	3.64
13. Psychology	4	0	0	0	0	1	25	1	25	2	50	4.25
14. Science	19	0	0	0	0	5	26	9	47	5	26	4.00
15. Social Science	30	0	0	5	17	11	37	7	23	7	23	3.53
16. Special Educ	138	0	0	4	3	21	15	62	45	51	37	4.16
17. Speech	11	0	0	0	0	1	9	6	55	4	36	4.27
18. Speech & Hearing	36	1	3	3	8	5	14	13	36	14	39	4.00
TOTAL	689	10	2	31	5	155	23	263	38	230	33	3.98

Table B3P

Item: 3. Select, prepare, and effectively utilize educational media.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	1	4	5	18	13	46	9	32	0	0	3.07
2. Business	35	1	3	3	9	10	29	15	43	6	17	3.63
3. Distributive Ed	9	0	0	0	0	2	22	6	67	1	11	3.89
4. Elementary Education	130	1	1	8	6	48	37	50	39	23	18	3.66
5. English	23	0	0	1	4	6	26	9	39	7	30	3.96
6. Foreign Language	15	0	0	1	7	6	40	7	47	1	7	3.53
7. HPER	58	0	0	6	10	25	43	21	36	6	10	3.47
8. Home Economics	43	0	0	3	7	6	14	22	51	12	28	4.00
9. Industrial Education	19	0	0	1	5	7	37	9	47	2	11	3.63
10. LEM	15	0	0	0	0	1	7	3	20	11	73	4.67
11. Math, Comp Science	27	3	11	5	19	9	33	9	33	1	4	3.00
12. Music	47	0	0	7	15	16	34	19	40	5	11	3.47
13. Psychology	4	0	0	1	25	1	25	2	50	0	0	3.25
14. Science	20	0	0	1	5	7	35	10	50	2	10	3.65
15. Social Science	30	1	3	0	0	12	40	13	43	4	13	3.63
16. Special Educ	139	1	1	5	4	48	35	60	43	25	18	3.74
17. Speech	11	1	9	1	9	2	18	6	55	1	9	3.45
18. Speech & Hearing	37	1	3	3	8	17	46	9	24	7	19	3.49
TOTAL	690	10	1	51	7	236	34	279	40	114	17	3.63

Graph B3



Item: 3. Select, prepare, and effectively utilize educational media.

——— Need

- - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B4N

Item: 4. Analyze and evaluate your teaching performance skills.

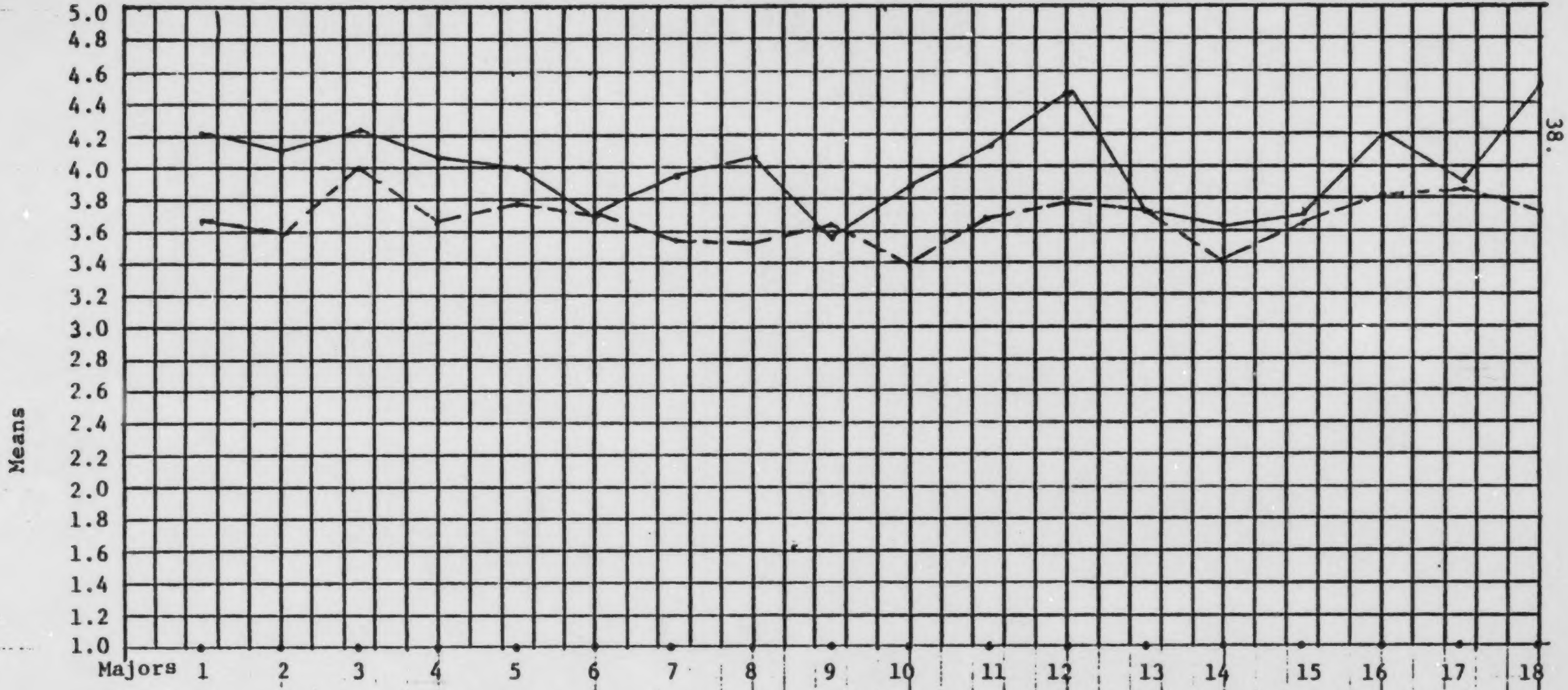
NEED	N	1 f	1 %	2 f	2 %	3 f	3 %	4 f	4 %	5 f	5 %	Mean
1. Art	29	0	0	0	0	5	17	13	45	11	38	4.21
2. Business	35	0	0	1	3	7	20	13	37	14	40	4.14
3. Distributive Ed	9	0	0	0	0	1	11	5	56	3	33	4.22
4. Elementary Education	128	0	0	2	2	29	23	55	43	42	33	4.07
5. English	24	1	4	1	4	4	17	9	38	9	38	4.00
6. Foreign Language	15	0	0	2	13	4	27	5	33	4	27	3.73
7. HPER	58	2	3	2	3	13	22	20	35	21	36	3.97
8. Home Economics	44	0	0	2	5	9	21	18	41	15	34	4.05
9. Industrial Education	19	1	5	1	5	6	32	8	42	3	16	3.58
10. LEM	15	0	0	1	7	5	33	4	27	5	33	3.87
11. Math, Comp Science	27	0	0	2	7	2	7	13	48	10	37	4.15
12. Music	48	1	2	0	0	3	6	17	35	27	56	4.44
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	19	0	0	2	11	7	37	6	32	4	21	3.63
15. Social Science	30	0	0	2	7	10	33	12	40	6	20	3.73
16. Special Educ	138	0	0	2	1	21	15	62	45	53	38	4.20
17. Speech	11	0	0	0	0	3	27	6	55	2	18	3.91
18. Speech & Hearing	35	1	3	0	0	1	3	11	31	22	63	4.51
TOTAL	688	6	1	20	3	131	19	280	41	251	37	4.09

Table B4P

Item: 4. Analyze and evaluate your teaching performance skills.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	0	0	0	0	13	46	11	39	4	14	3.68
2. Business	35	0	0	2	6	14	40	15	43	4	11	3.60
3. Distributive Ed	9	0	0	0	0	1	11	7	78	1	11	4.00
4. Elementary Education	128	0	0	3	2	51	40	60	47	14	11	3.66
5. English	23	0	0	1	4	8	35	9	39	5	22	3.78
6. Foreign Language	15	0	0	0	0	6	40	7	47	2	13	3.73
7. HPER	58	2	3	5	9	17	29	26	45	8	14	3.57
8. Home Economics	42	0	0	2	5	18	43	19	45	3	7	3.55
9. Industrial Education	19	0	0	1	5	7	37	9	47	2	11	3.63
10. LEM	15	0	0	3	20	6	40	3	20	3	20	3.40
11. Math, Comp Science	27	0	0	0	0	12	44	12	44	3	11	3.67
12. Music	48	0	0	3	6	10	21	29	60	6	13	3.79
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	20	0	0	2	10	9	45	8	50	1	5	3.40
15. Social Science	30	0	0	2	7	11	37	13	43	4	13	3.63
16. Special Educ	139	0	0	4	3	46	33	61	44	28	20	3.81
17. Speech	11	0	0	0	0	2	18	9	82	0	0	3.82
18. Speech & Hearing	36	1	3	0	0	13	36	15	42	7	19	3.75
TOTAL	687	3	0	28	4	245	36	316	46	95	14	3.69

Graph B4



Item: 4. Analyze and evaluate your teaching performance skills.

—————— Need

– – – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B5N

Item: 5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

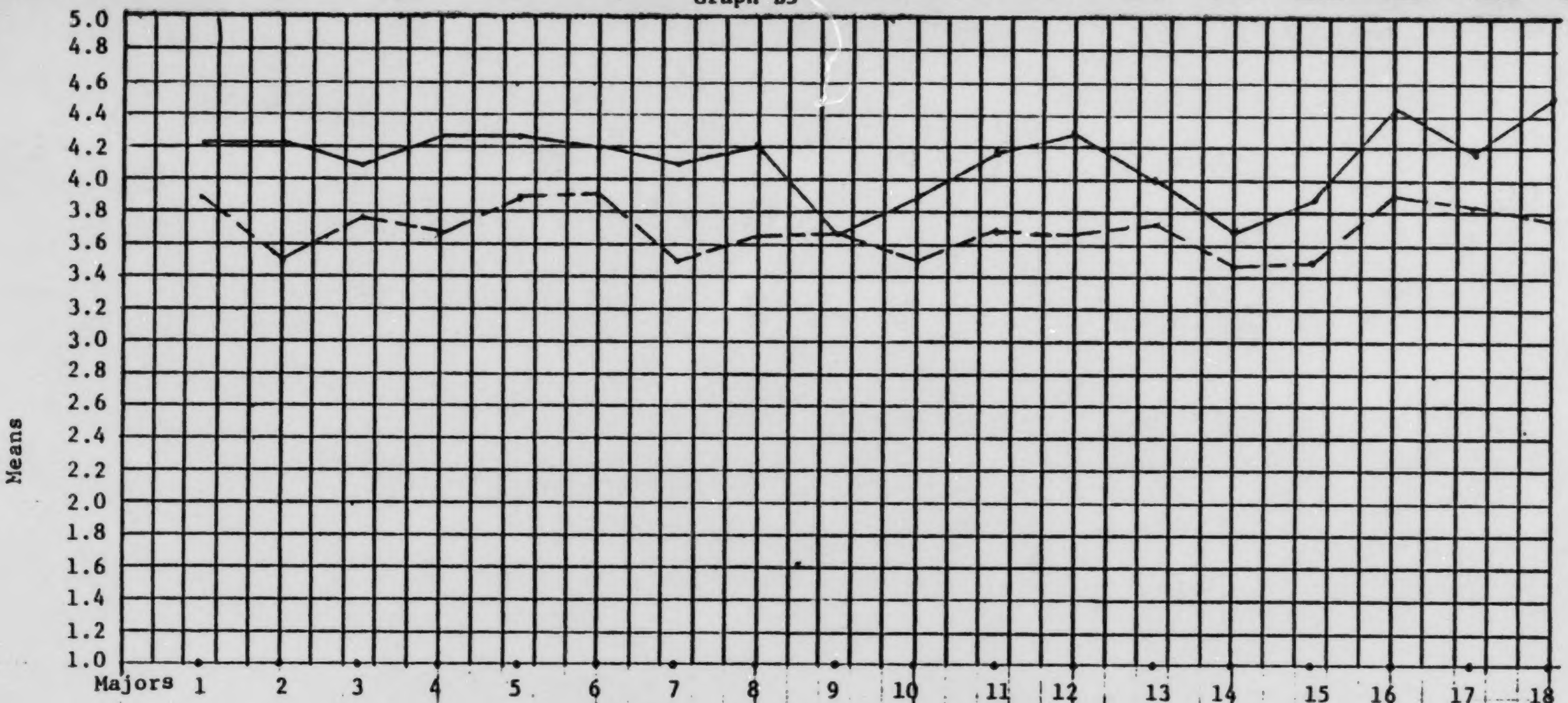
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	6	21	11	38	12	41	4.21
2. Business	33	1	3	0	0	6	18	10	30	16	49	4.21
3. Distributive Ed	9	0	0	0	0	2	22	4	44	3	33	4.11
4. Elementary Education	126	0	0	2	2	23	18	43	34	58	46	4.25
5. English	24	0	0	0	0	3	13	12	50	9	38	4.25
6. Foreign Language	15	0	0	1	7	2	13	5	38	7	47	4.20
7. HPER	58	1	2	2	3	10	17	21	36	24	41	4.12
8. Home Economics	44	1	2	1	2	4	9	20	46	18	41	4.20
9. Industrial Education	18	0	0	2	11	4	22	10	56	2	11	3.67
10. LEM	15	0	0	1	7	4	27	5	33	5	33	3.93
11. Math, Comp Science	27	0	0	1	4	3	11	13	48	10	37	4.19
12. Music	46	1	2	1	2	2	4	20	44	22	48	4.33
13. Psychology	4	0	0	0	0	1	25	2	50	1	25	4.00
14. Science	19	1	5	2	11	5	26	5	26	6	32	3.68
15. Social Science	30	0	0	1	3	9	30	13	43	7	23	3.87
16. Special Educ	139	0	0	2	1	13	9	48	35	76	55	4.42
17. Speech	11	0	0	0	0	2	18	5	46	4	36	4.18
18. Speech & Hearing	36	1	3	0	0	1	3	11	31	23	64	4.53
TOTAL	683	6	1	16	2	100	15	258	38	303	44	4.22

Table B5P

Item: 5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	1	3	8	28	13	45	7	24	3.90
2. Business	33	1	3	2	6	13	39	13	39	4	12	3.52
3. Distributive Ed	9	0	0	0	0	2	22	7	78	0	0	3.78
4. Elementary Education	126	0	0	4	3	48	38	58	46	16	13	3.68
5. English	23	0	0	1	4	6	26	11	48	5	22	3.87
6. Foreign Language	15	0	0	0	0	5	33	6	40	4	27	3.93
7. HPER	58	1	2	5	9	22	38	24	41	6	10	3.50
8. Home Economics	43	0	0	2	5	14	33	25	58	2	5	3.63
9. Industrial Education	18	0	0	2	11	3	17	12	67	1	6	3.67
10. LEM	15	0	0	1	7	7	47	5	33	2	13	3.53
11. Math, Comp Science	27	0	0	0	0	11	41	14	52	2	7	3.67
12. Music	46	0	0	4	9	12	26	26	57	4	9	3.65
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	20	1	5	0	0	11	55	5	25	3	15	3.45
15. Social Science	30	0	0	2	7	16	53	8	27	4	13	3.47
16. Special Educ	140	0	0	3	2	37	26	60	50	30	21	3.91
17. Speech	11	0	0	0	0	3	27	7	64	1	9	3.82
18. Speech & Hearing	37	0	0	1	3	11	30	20	54	5	14	3.78
TOTAL	684	3	0	28	4	230	34	327	48	96	14	3.71

Graph B5



Item: 5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

——————— Need

- - - - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B6N

Item: 6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)

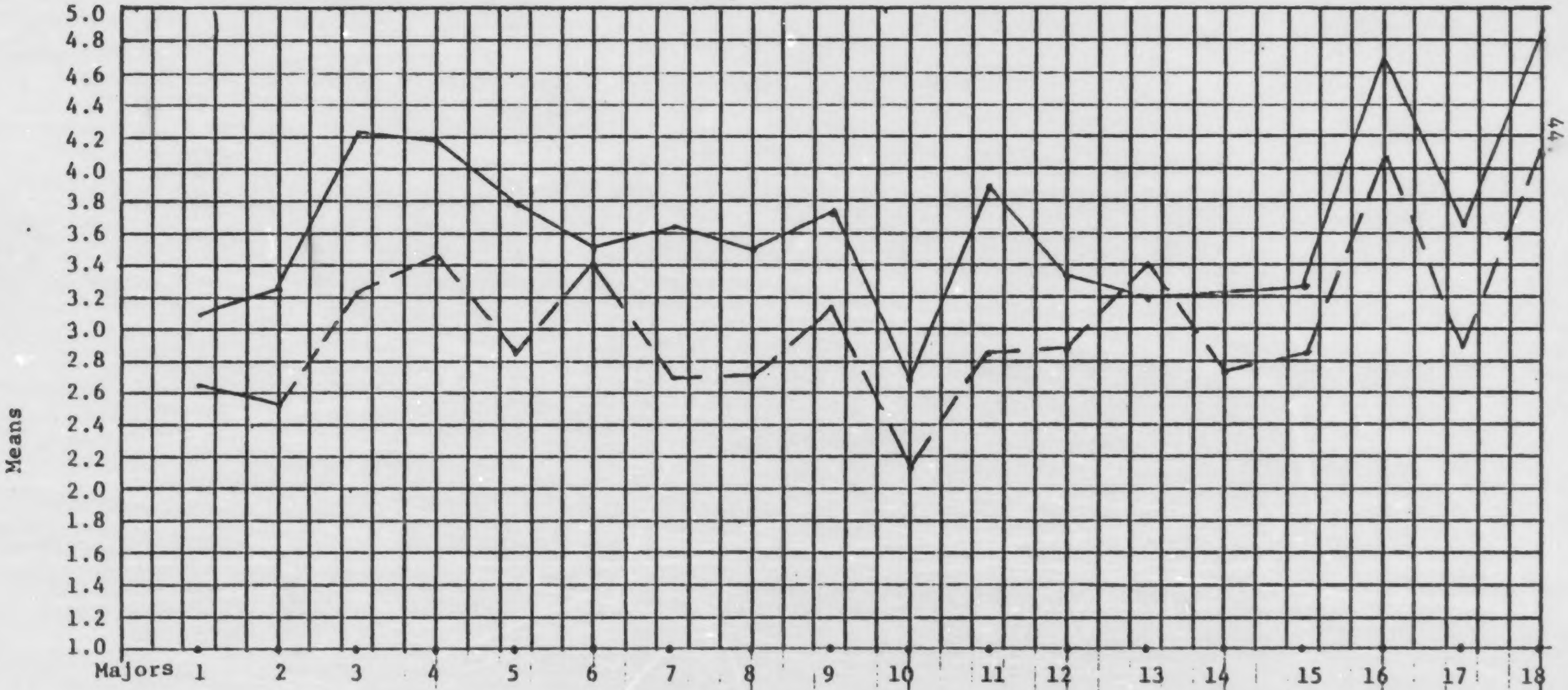
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	6	22	2	7	6	22	9	33	4	15	3.11
2. Business	35	3	9	7	20	10	29	9	26	6	17	3.23
3. Distributive Ed	9	0	0	1	11	0	0	4	44	4	44	4.22
4. Elementary Education	129	1	1	4	3	15	12	59	46	50	39	4.19
5. English	24	0	0	0	0	10	42	9	38	5	21	3.79
6. Foreign Language	15	0	0	3	20	4	27	5	33	3	20	3.53
7. HPER	58	1	2	10	17	14	25	18	31	15	26	3.62
8. Home Economics	43	1	2	5	12	15	35	14	33	8	19	3.53
9. Industrial Education	19	0	0	2	11	4	21	10	53	3	16	3.74
10. LEM	13	1	8	5	38	4	31	3	23	0	0	2.69
11. Math, Comp Science	27	0	0	3	11	6	22	9	33	9	33	3.89
12. Music	48	8	17	6	13	9	19	11	23	14	29	3.35
13. Psychology	5	1	20	1	20	1	20	0	0	2	40	3.20
14. Science	19	2	11	3	16	5	26	7	37	2	11	3.21
15. Social Science	30	3	10	6	20	9	30	5	17	7	23	3.23
16. Special Educ	137	1	1	0	0	9	7	26	19	101	74	4.65
17. Speech	11	0	0	1	9	4	36	4	36	2	18	3.64
18. Speech & Hearing	36	1	3	0	0	0	0	2	6	33	92	4.83
TOTAL	685	29	4	59	9	125	18	204	30	268	39	3.91

Table B6P

Item: 6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	5	19	6	22	11	41	4	15	1	4	2.63
2. Business	35	7	20	7	20	15	43	6	17	0	0	2.57
3. Distributive Ed	9	0	0	1	11	6	67	1	11	1	11	3.22
4. Elementary Education	128	1	1	16	13	53	41	42	33	16	13	3.44
5. English	23	3	13	2	9	13	57	5	22	0	0	2.87
6. Foreign Language	15	0	0	1	7	9	60	3	20	2	13	3.40
7. HPER	58	3	5	14	24	18	43	6	14	2	5	2.74
8. Home Economics	42	5	12	11	26	18	43	6	14	2	5	2.74
9. Industrial Education	19	1	5	6	32	2	11	9	47	1	5	3.16
10. LEM	12	3	25	5	42	3	25	1	8	0	0	2.17
11. Math, Comp Science	27	3	11	7	26	9	33	7	26	1	4	2.85
12. Music	48	8	17	6	13	20	42	12	25	2	4	2.88
13. Psychology	5	0	0	1	20	2	40	1	20	1	20	3.40
14. Science	20	1	5	8	40	7	35	3	15	1	5	2.75
15. Social Science	30	2	7	10	33	9	30	9	30	0	0	2.83
16. Special Educ	137	1	1	3	2	30	22	57	42	46	34	4.05
17. Speech	11	0	0	4	36	5	46	1	9	1	9	2.91
18. Speech & Hearing	37	1	3	1	3	6	16	14	38	15	41	4.11
TOTAL	683	44	6	109	16	236	35	202	30	92	14	3.28

Graph B6



Item: 6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).

——— Need

– – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B7N

Item: 7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.

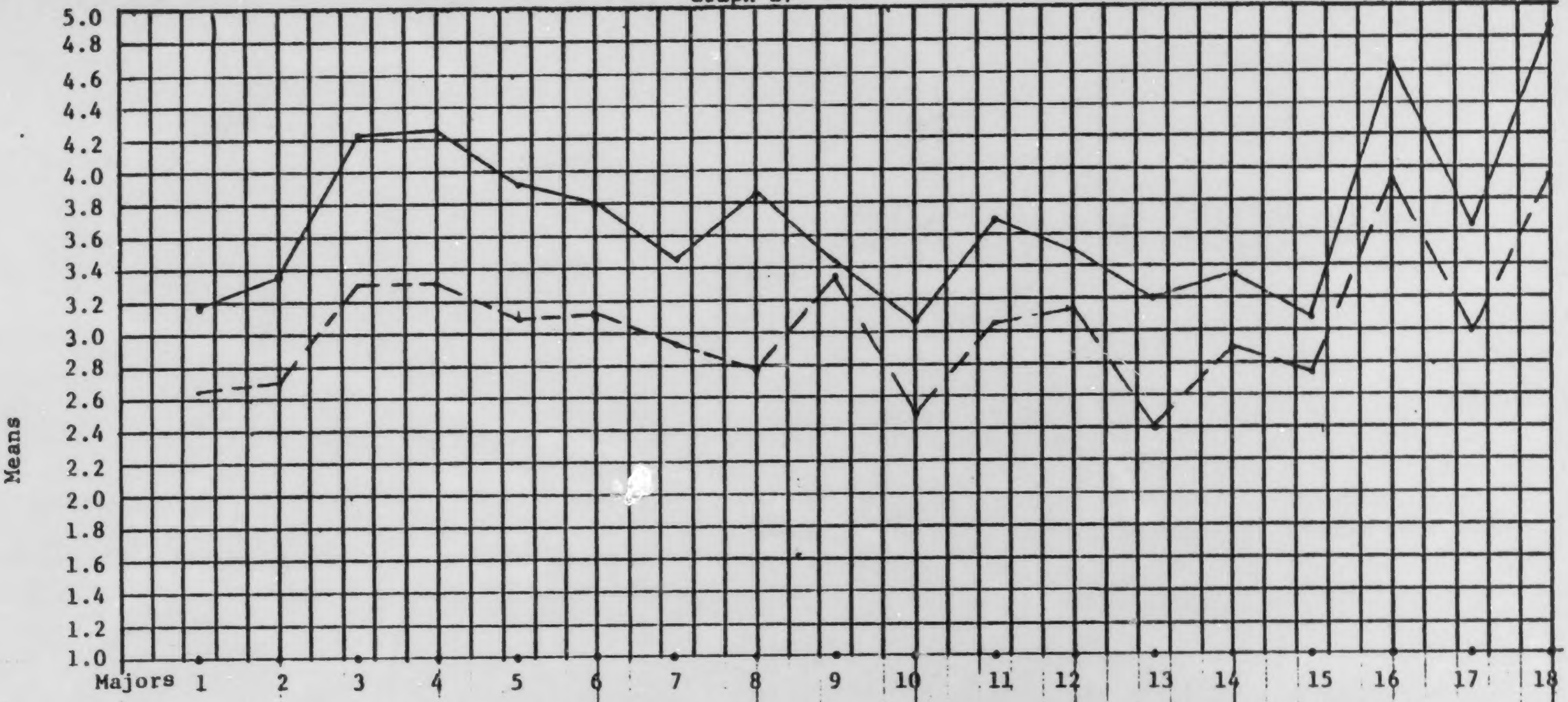
		Responses										
		1		2		3		4		5		
NEED	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	5	19	3	11	6	22	8	30	5	19	3.19
2. Business	34	2	6	2	6	16	47	9	27	5	15	3.38
3. Distributive Ed	9	0	0	1	11	0	0	4	44	4	44	4.22
4. Elementary Education	127	0	0	9	7	13	10	44	35	61	48	4.24
5. English	24	0	0	1	4	7	29	9	38	7	29	3.92
6. Foreign Language	15	0	0	2	13	4	27	4	27	5	33	3.80
7. HPER	57	3	5	9	16	18	32	14	25	13	23	3.44
8. Home Economics	43	0	0	3	7	10	23	21	49	9	21	3.84
9. Industrial Education	19	0	0	4	21	5	26	8	42	2	11	3.42
10. LEM	13	2	15	3	23	2	15	4	31	2	15	3.08
11. Math, Comp Science	27	1	4	1	4	11	41	6	22	8	30	3.70
12. Music	47	6	13	3	6	12	26	13	28	13	28	3.51
13. Psychology	5	1	20	1	20	0	0	2	40	1	20	3.20
14. Science	19	1	5	1	5	9	47	6	32	2	11	3.37
15. Social Science	30	2	7	8	27	10	33	6	20	4	13	3.07
16. Special Educ	139	1	1	3	3	7	5	26	19	102	73	4.62
17. Speech	11	0	0	1	9	4	36	4	36	2	18	3.64
18. Speech & Hearing	36	0	0	1	3	0	0	2	6	33	92	4.86
TOTAL	682	24	4	56	8	134	20	190	28	278	41	3.94

Table B7P

Item: 7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.

		Responses										
PROFICIENCY		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	6	22	6	22	9	33	4	15	2	7	2.63
2. Business	34	5	15	6	18	15	44	8	24	0	0	2.76
3. Distributive Ed	9	0	0	0	0	6	67	3	33	0	0	3.33
4. Elementary Education	128	5	4	18	14	56	44	32	25	18	14	3.33
5. English	23	1	4	3	13	13	57	5	22	1	4	3.09
6. Foreign Language	15	0	0	2	13	10	67	2	13	1	7	3.13
7. HPER	57	6	11	9	16	27	47	12	21	3	5	2.95
8. Home Economics	42	4	10	12	29	17	41	7	17	2	5	2.79
9. Industrial Education	19	0	0	4	21	5	26	9	47	1	5	3.37
10. LEM	12	2	17	6	50	1	8	2	17	1	8	2.50
11. Math, Comp Science	27	2	7	4	15	12	44	9	33	0	0	3.04
12. Music	47	6	13	3	6	19	40	15	32	4	9	3.17
13. Psychology	5	1	20	2	40	1	20	1	20	0	0	2.40
14. Science	20	1	5	5	25	9	45	5	25	0	0	2.90
15. Social Science	30	1	3	12	40	10	33	7	23	0	0	2.77
16. Special Educ	140	0	0	3	2	40	29	56	40	41	29	3.96
17. Speech	11	0	0	4	36	4	36	2	18	1	9	3.00
18. Speech & Hearing	37	0	0	1	3	9	24	17	46	10	27	3.97
TOTAL	683	39	6	100	15	263	39	196	29	85	12	3.28

Graph B7



Item: 7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.

——— Need

- - - - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B8N

Item: 8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.

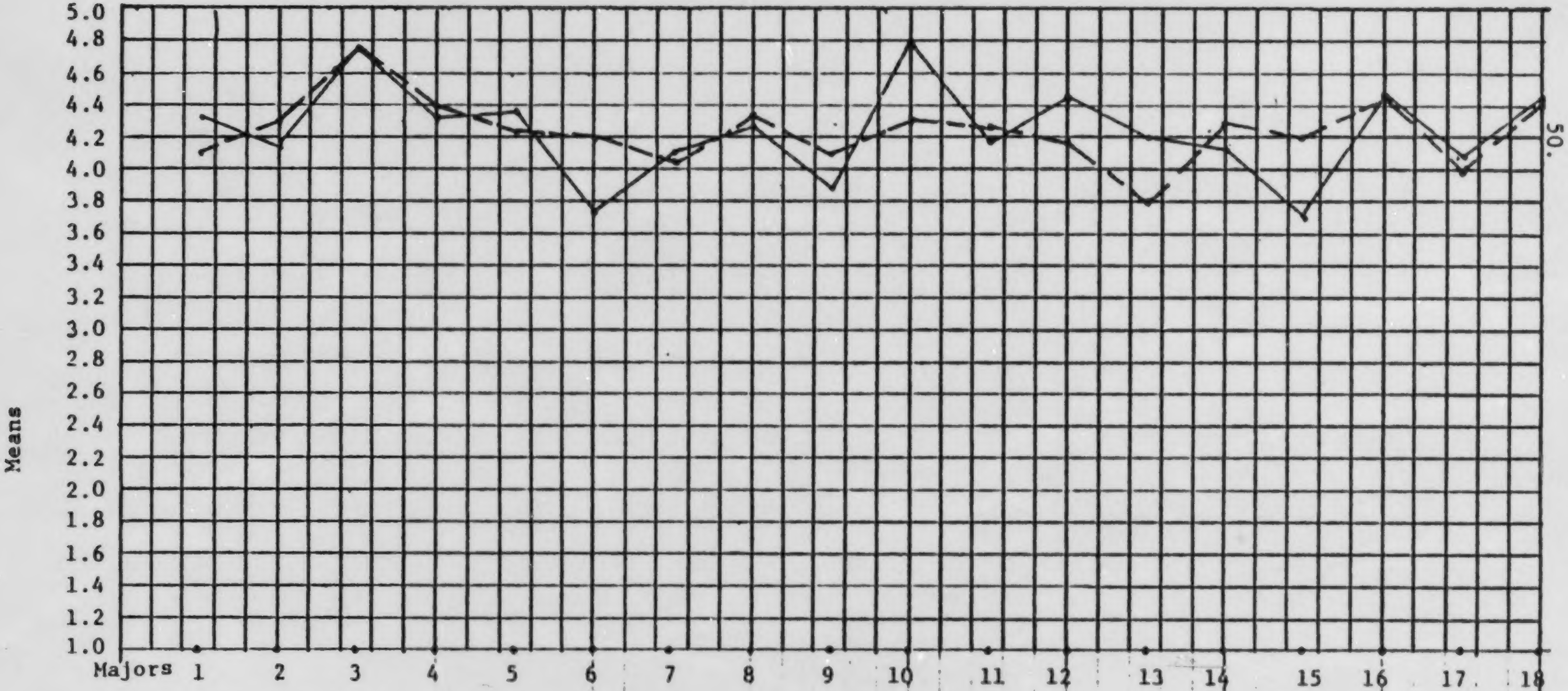
		Responses										
		1		2		3		4		5		
NEED	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	1	3	4	14	8	28	16	55	4.34
2. Business	35	1	3	1	3	8	23	6	17	19	54	4.17
3. Distributive Ed	9	0	0	0	0	0	0	2	22	7	78	4.78
4. Elementary Education	129	2	2	8	6	7	5	40	31	72	56	4.33
5. English	24	0	0	3	13	0	0	6	25	15	63	4.38
6. Foreign Language	15	1	7	1	7	3	20	6	40	4	27	3.73
7. HPER	58	3	5	4	7	6	10	15	26	30	52	4.12
8. Home Economics	44	1	2	1	2	6	14	14	32	22	50	4.25
9. Industrial Education	19	1	5	0	0	5	26	7	37	6	32	3.89
10. LEM	15	0	0	0	0	0	0	3	20	12	80	4.80
11. Math, Comp Science	27	0	0	2	7	5	19	6	22	14	52	4.19
12. Music	48	1	2	1	2	5	10	10	21	31	65	4.44
13. Psychology	5	0	0	0	0	1	20	2	40	2	40	4.20
14. Science	19	0	0	2	11	3	16	4	21	10	53	4.16
15. Social Science	30	1	3	3	10	9	30	7	28	10	33	3.73
16. Special Educ	139	2	1	3	2	14	10	28	20	92	66	4.47
17. Speech	11	0	0	1	9	2	18	3	27	5	46	4.09
18. Speech & Hearing	36	2	6	1	3	3	8	3	8	27	75	4.44
TOTAL	692	15	2	32	5	81	12	170	25	394	57	4.29

Table B8P

Item: 8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	7	24	11	38	11	38	4.14
2. Business	35	0	0	1	3	6	17	8	23	20	57	4.34
3. Distributive Ed	9	0	0	0	0	0	0	2	22	7	78	4.78
4. Elementary Education	129	1	1	0	0	12	9	49	38	67	52	4.40
5. English	23	1	4	1	4	4	17	3	13	14	61	4.22
6. Foreign Language	15	0	0	1	7	2	13	5	33	7	47	4.20
7. HPER	58	1	2	3	5	13	22	15	26	26	45	4.07
8. Home Economics	43	0	0	0	0	7	16	13	30	23	54	4.37
9. Industrial Education	19	0	0	0	0	5	26	7	37	7	37	4.11
10. LEM	15	0	0	1	7	0	0	7	47	7	47	4.33
11. Math, Comp Science	27	0	0	1	4	5	19	7	26	14	52	4.26
12. Music	48	0	0	2	4	8	17	17	35	21	44	4.19
13. Psychology	5	0	0	0	0	2	40	2	40	1	20	3.80
14. Science	20	0	0	0	0	4	20	6	30	10	50	4.30
15. Social Science	30	0	0	1	3	4	13	13	43	12	40	4.20
16. Special Educ	140	0	0	1	1	15	11	43	31	81	58	4.46
17. Speech	11	0	0	2	18	2	18	1	9	6	55	4.00
18. Speech & Hearing	37	1	3	0	0	4	11	10	27	22	60	4.41
TOTAL	693	4	1	14	2	100	14	219	32	356	51	4.31

Graph B8



Item: 8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.

——— Need

– – – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B9N

Item: 9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

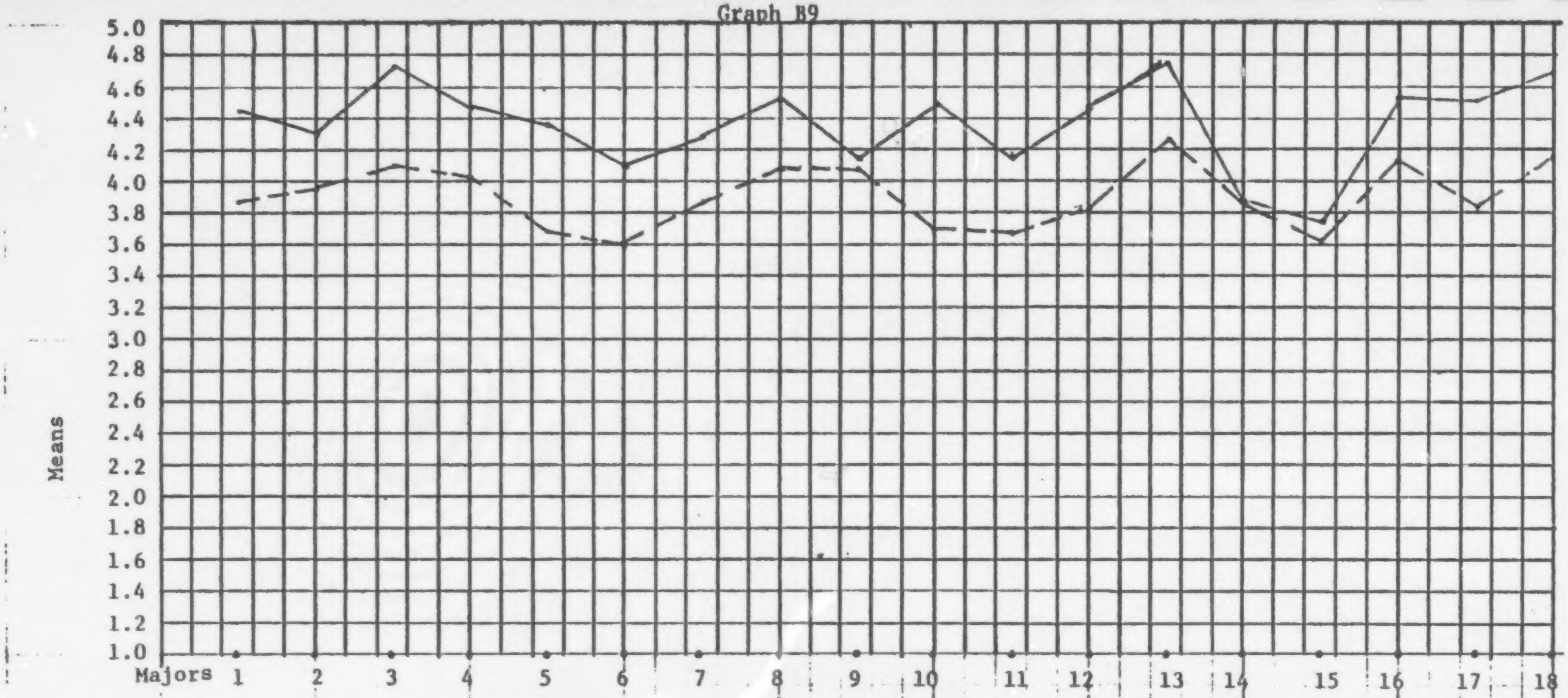
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	0	0	0	0	6	21	4	14	18	64	4.43
2. Business	35	0	0	0	0	4	11	15	43	16	46	4.34
3. Distributive Ed	8	0	0	0	0	0	0	2	25	6	75	4.75
4. Elementary Education	128	2	2	1	1	10	8	38	30	77	60	4.46
5. English	24	1	4	0	0	2	8	6	29	14	58	4.38
6. Foreign Language	15	0	0	2	13	1	7	5	33	7	47	4.13
7. HPER	58	2	3	0	0	9	16	16	28	31	53	4.28
8. Home Economics	44	0	0	1	2	2	5	13	30	28	64	4.55
9. Industrial Education	19	0	0	1	5	1	5	11	58	6	32	4.16
10. LEM	15	0	0	0	0	2	13	4	27	9	60	4.47
11. Math, Comp Science	26	0	0	1	4	4	15	11	42	10	39	4.15
12. Music	48	0	0	2	4	4	8	12	25	30	63	4.46
13. Psychology	4	0	0	0	0	0	0	1	25	3	75	4.75
14. Science	19	0	0	1	5	6	32	6	32	6	32	3.89
15. Social Science	29	0	0	3	10	8	28	11	38	7	24	3.76
16. Special Educ	139	1	1	0	0	7	5	42	30	89	64	4.57
17. Speech	11	0	0	0	0	1	9	3	27	7	64	4.55
18. Speech & Hearing	35	1	3	0	0	2	6	3	9	29	83	4.69
TOTAL	685	7	1	12	2	69	10	204	30	393	57	4.41

Table B9P

Item: 9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

PROFICIENCY	N	Responses 1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	29	1	3	1	3	5	17	16	55	6	21	3.86
2. Business	35	0	0	1	3	10	29	13	37	11	31	3.97
3. Distributive Ed	8	0	0	0	0	2	25	3	38	3	38	4.13
4. Elementary Education	128	0	0	4	3	27	21	59	46	38	30	4.02
5. English	23	1	4	1	4	5	22	13	57	3	13	3.70
6. Foreign Language	15	1	7	0	0	4	27	9	60	1	7	3.60
7. HPER	58	1	2	1	2	18	31	23	40	15	26	3.86
8. Home Economics	43	0	0	0	0	6	14	26	61	11	26	4.12
9. Industrial Education	19	0	0	0	0	4	21	9	47	6	32	4.11
10. LEM	15	0	0	2	13	2	13	9	60	2	13	3.73
11. Math, Comp Science	26	0	0	0	0	10	39	14	54	2	8	3.69
12. Music	48	0	0	2	4	14	29	23	48	9	19	3.81
13. Psychology	4	0	0	0	0	0	0	3	75	1	25	4.25
14. Science	20	0	0	1	5	5	25	10	50	4	20	3.85
15. Social Science	29	0	0	2	7	11	38	12	41	4	14	3.62
16. Special Educ	140	0	0	0	0	21	15	77	55	42	30	4.15
17. Speech	11	1	9	0	0	2	18	5	46	3	27	3.82
18. Speech & Hearing	36	0	0	1	3	6	17	15	42	14	39	4.17
TOTAL	687	5	1	16	2	152	22	339	49	175	26	3.97

Graph B9



Item: 9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

——— Need

- - - - - Proficiency

Code for Majors

1. Art	10. LEM
2. Business	11. Math, Comp Science
3. Distributive Educ	12. Music
4. Elementary Educ	13. Psychology
5. English	14. Science
6. Foreign Language	15. Social Science
7. HPER	16. Special Educ
8. Home Economics	17. Speech
9. Industrial Education	18. Speech & Hearing

Table B10N

Item: 10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

Responses

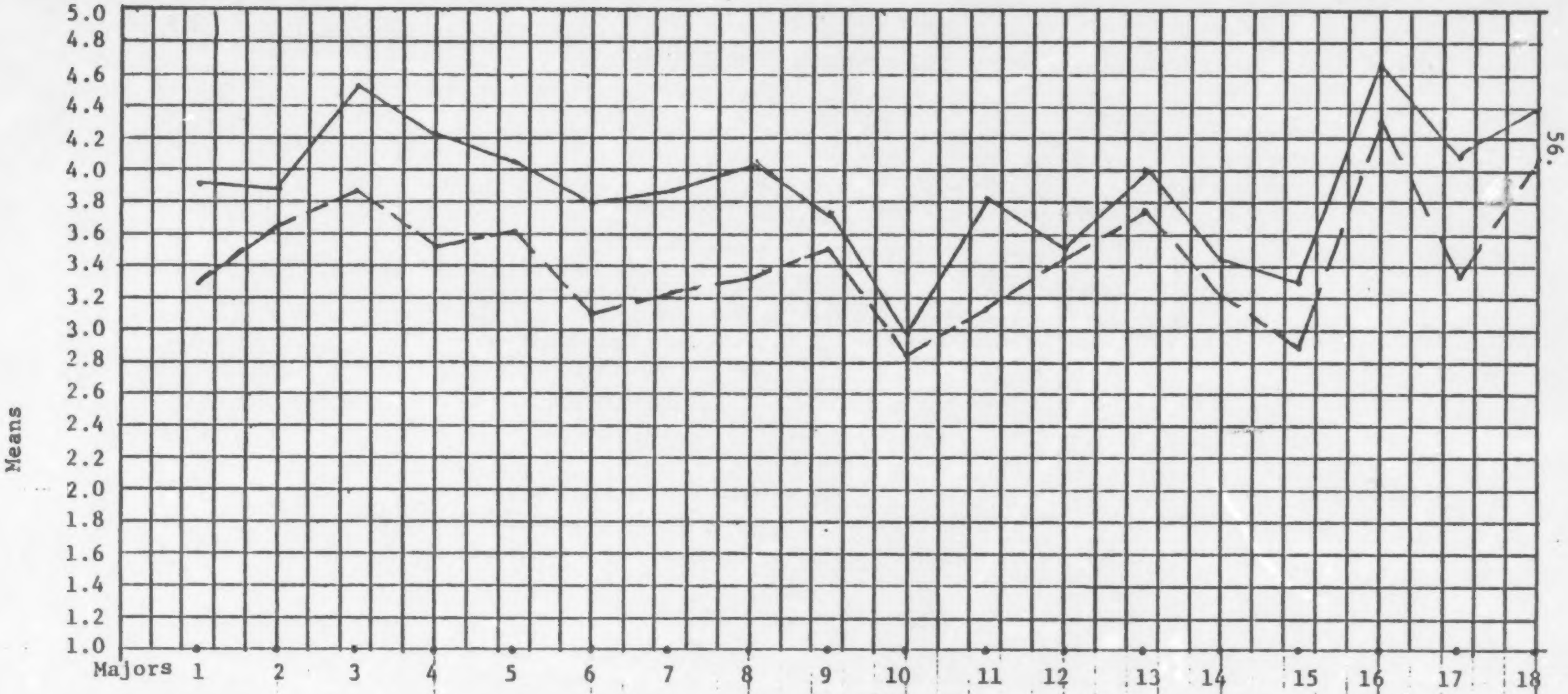
NEED	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	29	0	0	2	7	9	31	7	24	11	38	3.93
2. Business	35	0	0	3	9	8	23	14	40	10	29	3.89
3. Distributive Ed	9	0	0	0	0	1	11	2	22	6	67	4.56
4. Elementary Education	127	1	1	3	2	20	16	47	37	56	44	4.21
5. English	24	0	0	0	0	5	21	13	54	6	25	4.04
6. Foreign Language	15	0	0	2	13	3	20	6	40	4	27	3.80
7. HPER	58	1	2	2	3	18	31	20	35	17	29	3.86
8. Home Economics	44	0	0	1	2	10	23	20	46	13	30	4.02
9. Industrial Education	19	0	0	3	16	4	21	7	37	5	26	3.74
10. LEM	13	3	23	1	8	4	31	3	23	2	15	3.00
11. Math, Comp Science	27	0	0	3	11	4	15	15	56	5	19	3.81
12. Music	47	4	9	6	13	7	15	19	40	11	23	3.57
13. Psychology	4	0	0	0	0	0	0	4	100	0	0	4.00
14. Science	19	2	11	2	11	3	16	10	53	2	11	3.42
15. Social Science	30	3	10	4	13	7	23	12	40	4	13	3.33
16. Special Educ	139	1	1	1	1	9	7	25	18	103	74	4.64
17. Speech	11	0	0	0	0	3	27	4	36	4	36	4.09
18. Speech & Hearing	35	2	6	1	3	2	6	6	17	24	69	4.40
TOTAL	685	17	3	34	5	117	17	234	34	283	41	4.07

Table B10P

Item: 10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	6	21	12	41	7	24	4	14	3.31
2. Business	35	1	3	3	9	13	37	9	26	9	26	3.63
3. Distributive Ed	9	0	0	1	11	2	22	3	33	3	33	3.89
4. Elementary Education	127	2	2	10	8	54	43	38	30	23	18	3.55
5. English	23	0	0	1	4	10	44	9	39	3	13	3.61
6. Foreign Language	15	0	0	3	20	8	53	3	20	1	7	3.13
7. HPER	58	2	3	12	21	24	41	11	19	9	16	3.22
8. Home Economics	43	3	7	2	5	19	44	15	35	4	9	3.35
9. Industrial Education	19	0	0	2	11	7	37	8	42	2	11	3.53
10. LEM	13	1	8	3	23	7	54	1	8	1	8	2.85
11. Math, Comp Science	27	1	4	7	26	8	30	9	33	2	7	3.15
12. Music	47	2	4	5	11	17	36	17	36	6	13	3.43
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	20	3	15	0	0	8	40	8	40	1	5	3.20
15. Social Science	29	3	10	7	24	11	38	6	21	2	7	2.90
16. Special Educ	139	0	0	2	1	18	14	52	37	66	48	4.31
17. Speech	11	0	0	1	9	6	55	3	27	1	9	3.36
18. Speech & Hearing	36	1	3	1	3	10	28	7	19	17	47	4.06
TOTAL	684	19	3	66	10	236	35	209	31	154	23	3.60

Graph B10



Item: 10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

———— Need

– – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

5 Squares to the Inch

Table B11N

Item: 11. Prepare and develop lesson plans and teaching units.

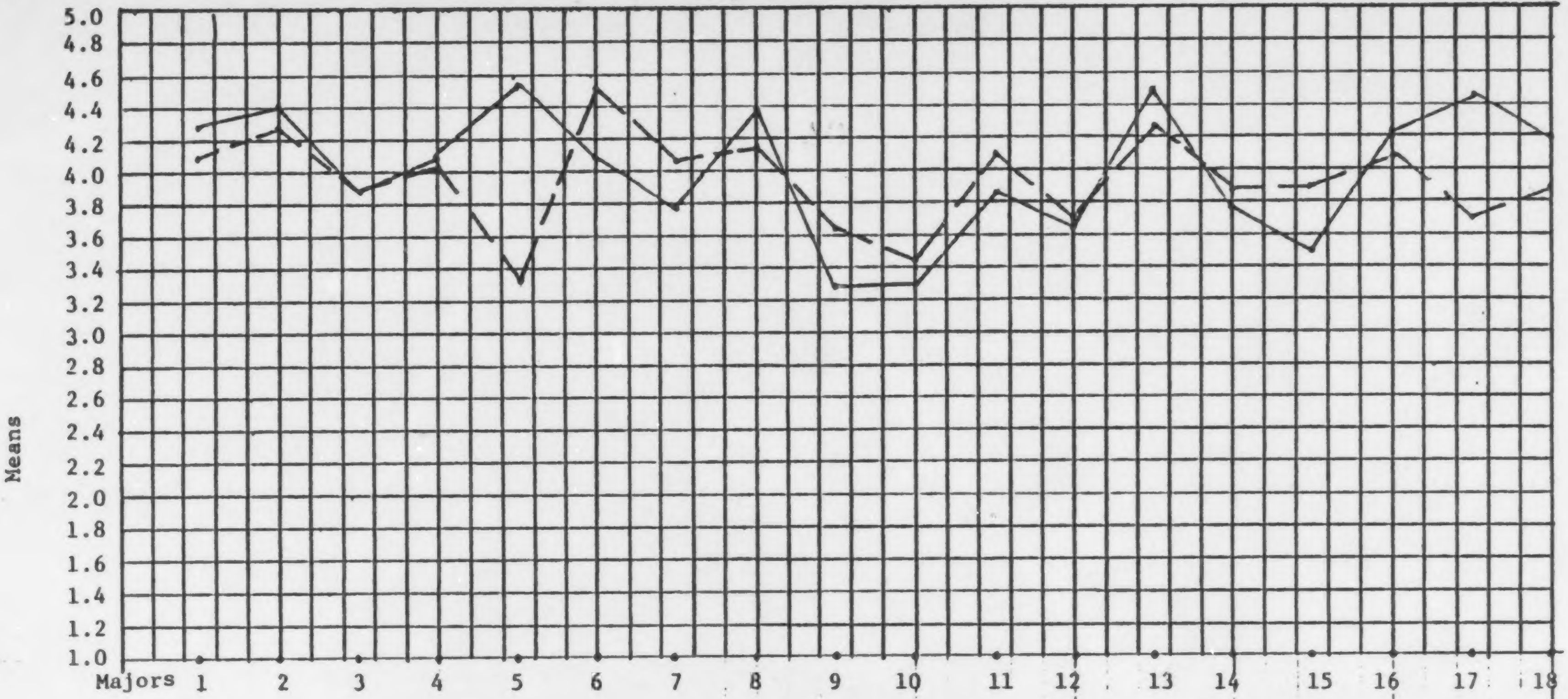
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	2	7	2	7	11	38	14	48	4.28
2. Business	35	0	0	0	0	7	20	7	20	21	60	4.40
3. Distributive Ed	9	0	0	0	0	3	33	4	44	2	22	3.89
4. Elementary Education	129	3	2	2	2	21	16	52	40	51	40	4.13
5. English	24	0	0	1	4	0	0	7	29	16	67	4.58
6. Foreign Language	15	2	13	0	0	1	7	4	27	8	53	4.07
7. HPER	58	3	5	7	12	11	19	15	26	22	38	3.79
8. Home Economics	44	0	0	3	7	5	11	8	18	28	64	4.39
9. Industrial Education	19	2	11	4	21	3	16	7	37	3	16	3.26
10. LEM	14	2	14	1	7	5	36	3	21	3	21	3.29
11. Math, Comp Science	27	2	7	1	4	5	19	10	37	9	33	3.85
12. Music	48	2	4	6	13	14	29	12	25	14	29	3.63
13. Psychology	4	0	0	0	0	0	0	2	50	2	50	4.50
14. Science	19	0	0	3	16	5	26	4	21	7	37	3.79
15. Social Science	30	1	3	6	20	7	23	9	30	7	23	3.50
16. Special Educ	137	2	2	2	2	24	18	46	34	63	46	4.21
17. Speech	11	0	0	1	9	0	0	3	27	7	64	4.45
18. Speech & Hearing	36	1	3	1	3	7	19	8	22	19	53	4.19
TOTAL	688	20	3	40	6	120	17	212	31	296	43	4.05

Table B11P

Item: 11. Prepare and develop lesson plans and teaching units.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	1	3	3	10	17	59	8	28	4.10
2. Business	35	0	0	0	0	6	17	14	40	15	43	4.26
3. Distributive Ed	9	0	0	0	0	2	20	6	67	1	11	3.89
4. Elementary Education	129	1	1	2	2	31	24	56	43	39	30	4.01
5. English	23	0	0	0	0	4	17	7	30	12	52	3.35
6. Foreign Language	15	0	0	0	0	1	7	5	33	9	60	4.53
7. HPER	58	1	2	1	2	14	24	20	35	22	38	4.05
8. Home Economics	43	0	0	3	7	6	14	15	35	19	44	4.16
9. Industrial Education	19	0	0	2	11	6	32	8	42	3	16	3.63
10. LEM	14	0	0	2	14	8	57	0	0	4	29	3.43
11. Math, Comp Science	27	0	0	0	0	6	22	7	26	14	52	4.30
12. Music	48	1	2	4	8	16	33	16	33	11	23	3.67
13. Psychology	4	0	0	0	0	1	25	1	25	2	50	4.25
14. Science	20	0	0	0	0	7	35	9	45	4	20	3.85
15. Social Science	30	0	0	0	0	11	37	12	40	7	23	3.87
16. Special Educ	138	0	0	0	0	35	25	55	40	48	35	4.09
17. Speech	11	1	9	1	9	2	18	3	27	4	36	3.73
18. Speech & Hearing	37	0	0	0	0	13	35	17	46	7	19	3.84
TOTAL	689	4	1	16	2	172	39	268	39	229	33	4.02

Graph B11



Item: 11. Prepare and develop lesson plans and teaching units.

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B12N

Item: 12. Prepare teacher made tests and evaluate/report pupil progress.

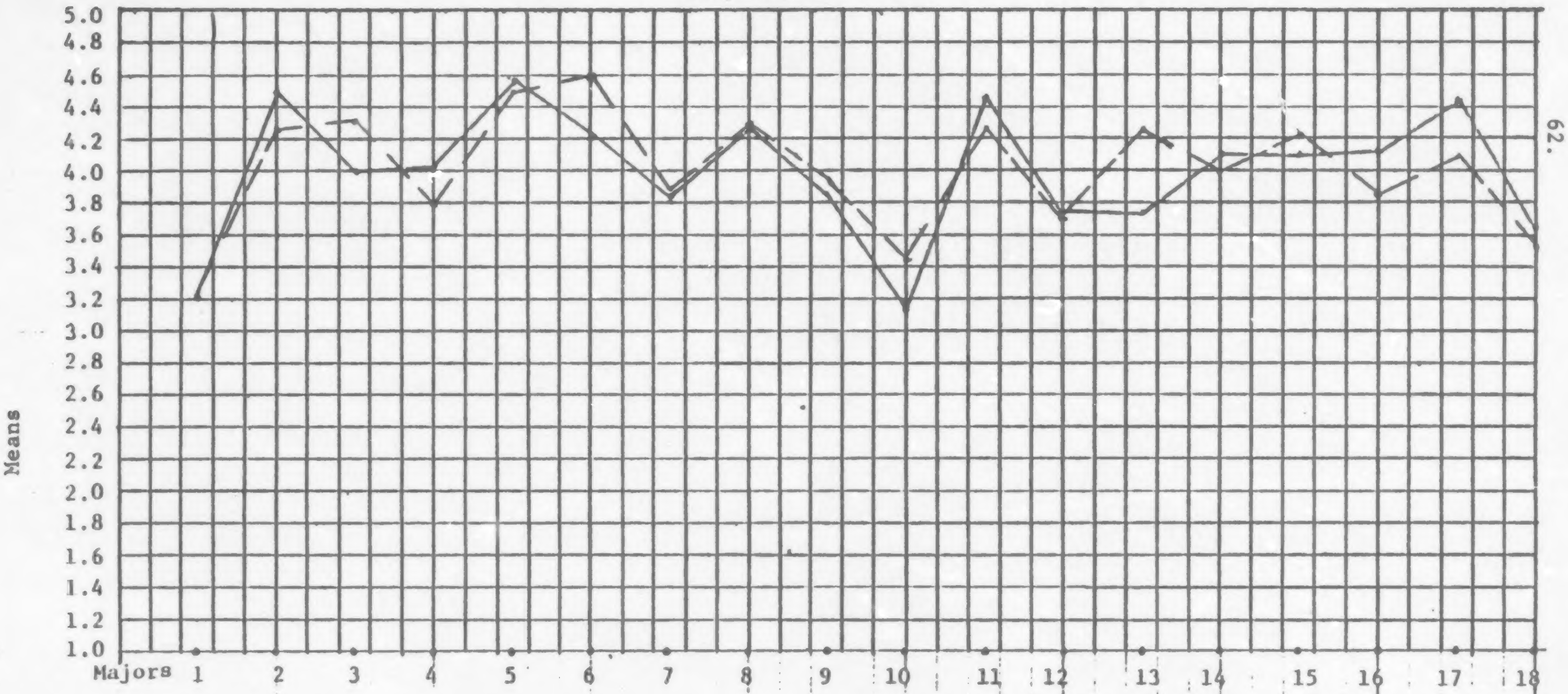
NEED	Responses											
	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	28	5	18	2	7	10	36	4	14	7	25	3.21
2. Business	35	0	0	0	0	2	6	14	40	19	54	4.49
3. Distributive Ed	9	0	0	1	11	1	11	4	44	3	33	4.00
4. Elementary Education	128	2	2	6	5	19	15	63	49	38	30	4.01
5. English	24	0	0	1	4	0	0	7	29	16	67	4.58
6. Foreign Language	15	2	13	0	0	1	7	2	13	10	67	4.20
7. HPER	55	4	7	4	7	9	16	19	35	19	35	3.82
8. Home Economics	44	1	2	2	5	5	11	13	30	23	52	4.25
9. Industrial Education	19	1	5	0	0	5	26	8	42	5	26	3.84
10. LEM	13	2	15	1	8	5	39	3	23	2	15	3.15
11. Math, Comp Science	27	0	0	0	0	3	11	9	33	15	56	4.44
12. Music	46	1	2	3	7	15	33	14	30	13	28	3.76
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	19	0	0	0	0	6	32	5	26	8	42	4.11
15. Social Science	29	0	0	1	3	3	10	17	59	8	28	4.10
16. Special Educ	138	0	0	3	2	27	20	58	42	50	36	4.12
17. Speech	11	0	0	0	0	1	9	4	36	6	55	4.45
18. Speech & Hearing	35	3	9	5	14	6	17	9	26	12	34	3.63
TOTAL	679	21	3	29	4	119	18	256	38	254	37	4.02

Table B12P

Item: 12. Prepare teacher made tests and evaluate/report pupil progress.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	2	7	3	11	12	43	9	32	2	7	3.21
2. Business	35	0	0	2	6	4	11	12	34	17	49	4.26
3. Distributive Ed	9	0	0	0	0	1	11	4	44	4	44	4.33
4. Elementary Education	127	0	0	6	5	40	32	54	43	27	21	3.80
5. English	22	0	0	1	5	1	5	6	27	14	64	4.50
6. Foreign Language	15	0	0	0	0	1	7	4	27	10	67	4.60
7. HPER	54	2	4	2	4	11	20	25	46	14	26	3.87
8. Home Economics	43	0	0	1	2	7	16	16	37	19	44	4.23
9. Industrial Education	19	0	0	0	0	7	37	6	32	6	32	3.95
10. LEM	12	1	8	1	8	5	42	2	17	3	25	3.42
11. Math, Comp Science	27	0	0	1	4	3	11	11	41	12	44	4.26
12. Music	46	0	0	5	11	12	26	19	41	10	22	3.74
13. Psychology	4	0	0	0	0	1	25	1	25	2	50	4.25
14. Science	20	0	0	0	0	6	30	8	40	6	30	4.00
15. Social Science	29	0	0	0	0	4	14	15	52	10	35	4.21
16. Special Educ	138	0	0	7	5	39	28	62	45	30	22	3.83
17. Speech	11	0	0	1	0	2	18	3	27	5	46	4.09
18. Speech & Hearing	34	2	6	3	9	8	24	16	47	5	15	3.56
TOTAL	673	7	1	33	5	164	24	273	41	196	29	3.92

Graph B12



Item: 12. Prepare teacher made tests and evaluate/report pupil progress.

——— Need

– – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B13N

Item: 13. Understand and utilize standardized tests.

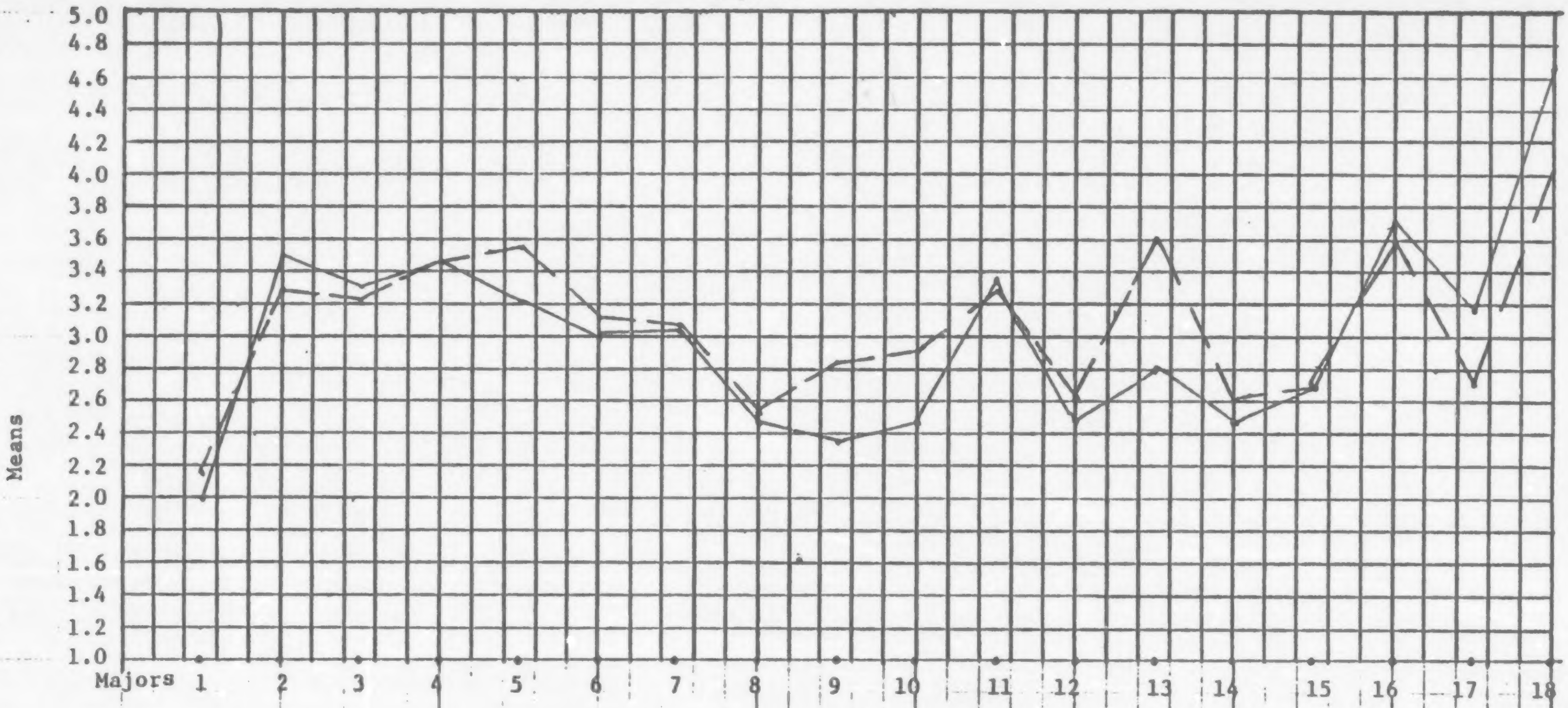
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	26	11	42	8	31	4	15	2	8	1	4	2.00
2. Business	35	5	14	2	6	9	26	8	23	11	31	3.51
3. Distributive Ed	9	1	11	1	11	4	44	0	0	3	33	3.33
4. Elementary Education	129	2	2	15	12	53	41	42	33	17	13	3.44
5. English	24	3	13	3	13	7	29	8	33	3	13	3.21
6. Foreign Language	15	1	7	3	20	7	47	3	20	1	7	3.00
7. HPER	56	8	13	12	21	14	25	15	27	7	13	3.02
8. Home Economics	43	10	23	11	26	16	37	4	9	2	5	2.47
9. Industrial Education	19	4	21	6	32	7	37	2	11	0	0	2.37
10. LEM	13	2	15	4	31	6	36	1	8	0	0	2.46
11. Math, Comp Science	27	1	4	5	19	9	33	7	26	5	19	3.37
12. Music	45	12	27	12	27	10	22	9	20	2	4	2.49
13. Psychology	5	2	40	1	20	0	0	0	0	2	40	2.80
14. Science	19	3	16	5	26	10	53	1	5	0	0	2.47
15. Social Science	30	5	17	8	27	11	37	4	13	2	7	2.67
16. Special Educ	139	3	2	14	10	38	27	48	35	36	26	3.72
17. Speech	11	0	0	2	18	6	55	2	18	1	9	3.18
18. Speech & Hearing	36	1	3	0	0	2	6	5	14	28	78	4.64
TOTAL	681	74	11	112	16	213	31	161	24	121	18	3.21

Table B13P

Item: 13. Understand and utilize standardized tests.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	25	9	36	6	24	8	32	1	4	1	4	2.16
2. Business	34	4	12	7	21	6	18	9	27	8	24	3.29
3. Distributive Ed	9	0	0	2	22	4	44	2	22	1	11	3.22
4. Elementary Education	129	1	1	16	12	52	40	44	34	16	12	3.45
5. English	22	1	5	2	9	7	32	8	36	4	18	3.55
6. Foreign Language	15	0	0	4	27	5	33	6	40	0	0	3.13
7. HPER	55	5	9	10	18	21	38	15	27	4	7	3.05
8. Home Economics	42	8	19	10	24	20	48	2	5	2	5	2.52
9. Industrial Education	19	3	16	1	5	11	58	4	21	0	0	2.84
10. LEM	12	0	0	3	25	7	58	2	17	0	0	2.92
11. Math, Comp Science	27	3	11	4	15	7	26	8	30	5	19	3.30
12. Music	44	9	21	8	18	19	43	7	16	1	2	2.61
13. Psychology	5	0	0	2	40	0	0	1	20	2	40	3.60
14. Science	20	3	15	5	25	9	45	3	15	0	0	2.60
15. Social Science	30	6	20	9	30	6	20	7	23	2	7	2.67
16. Special Educ	139	0	0	13	9	52	37	51	37	23	17	3.60
17. Speech	11	0	0	4	36	6	55	1	9	0	0	2.73
18. Speech & Hearing	37	0	0	1	3	9	24	8	22	19	51	4.22
TOTAL	675	52	8	107	16	249	37	179	27	88	13	3.21

Graph B13



Item: 13. Understand and utilize standardized tests.

———— Need

– – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

5 Squares to the Inch

Table B14N

Item: 14. Communicate effectively with parents regarding student progress.

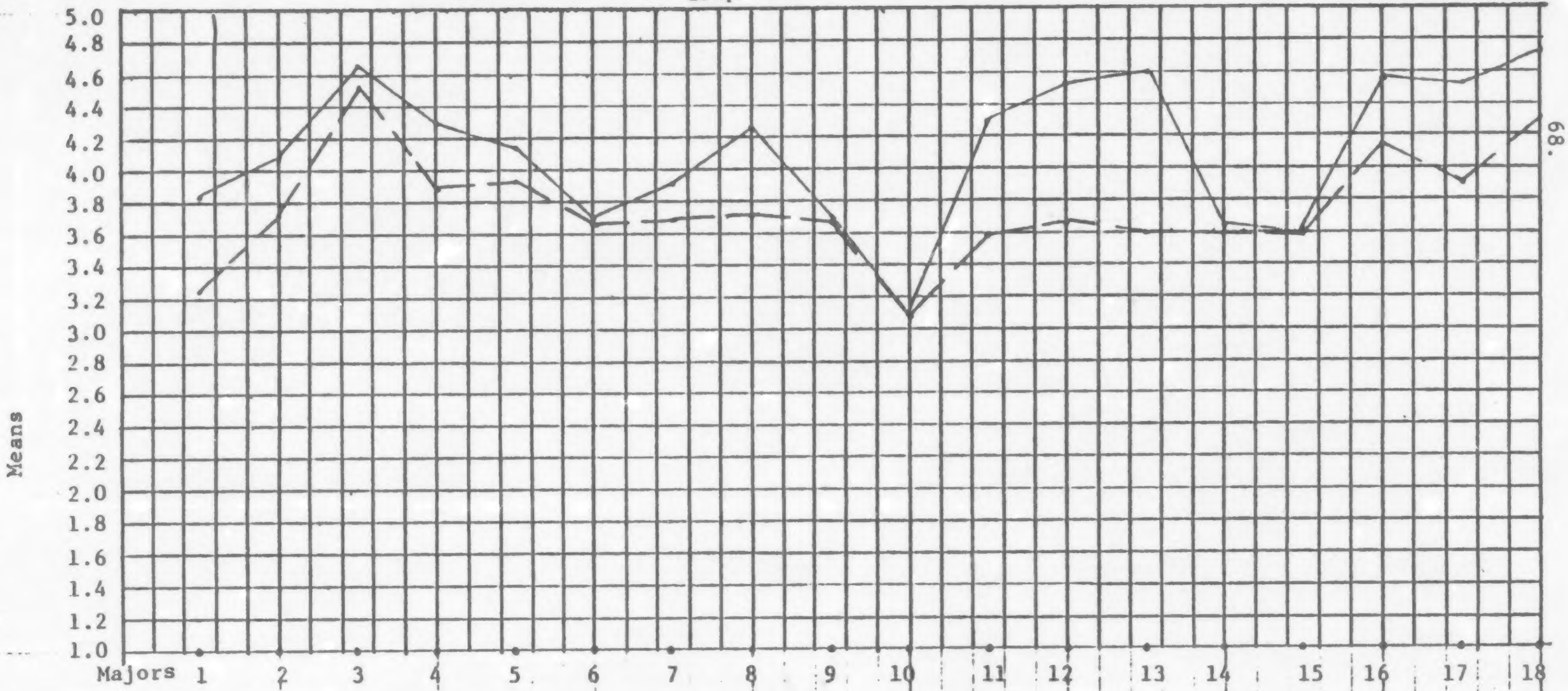
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	2	7	7	24	6	21	12	41	3.83
2. Business	35	0	0	1	3	8	23	13	37	13	37	4.09
3. Distributive Ed	9	0	0	0	0	0	0	3	33	6	67	4.67
4. Elementary Education	127	2	2	4	3	13	10	40	32	68	54	4.32
5. English	24	1	4	0	0	4	17	8	33	11	46	4.17
6. Foreign Language	15	2	13	0	0	2	13	7	47	4	27	3.73
7. HPER	58	1	2	4	7	12	21	22	38	19	33	3.93
8. Home Economics	44	0	0	2	5	6	14	15	34	21	48	4.25
9. Industrial Education	18	1	6	0	0	5	28	9	50	3	17	3.72
10. LEM	12	0	0	3	25	6	50	2	18	1	8	3.08
11. Math, Comp Science	27	0	0	1	4	2	7	12	44	12	44	4.30
12. Music	48	0	0	1	2	4	8	10	21	33	69	4.56
13. Psychology	5	0	0	0	0	0	0	2	40	3	60	4.60
14. Science	19	1	5	0	0	8	42	6	32	4	21	3.63
15. Social Science	30	2	7	4	13	6	20	10	33	8	27	3.60
16. Special Educ	139	0	0	2	1	8	6	36	26	93	67	4.58
17. Speech	11	0	0	0	0	1	9	3	27	7	64	4.55
18. Speech & Hearing	36	1	3	0	0	2	6	2	6	31	86	4.72
TOTAL	686	13	2	24	4	94	14	206	30	349	51	4.24

Table B14P

Item: 14. Communicate effectively with parents regarding student progress.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	5	17	10	35	8	28	4	14	3.24
2. Business	35	0	0	3	9	9	26	17	49	6	17	3.74
3. Distributive Ed	9	0	0	0	0	0	0	4	44	5	56	4.56
4. Elementary Education	127	1	1	3	2	36	28	52	41	35	28	3.92
5. English	23	1	4	1	4	5	22	7	30	9	39	3.96
6. Foreign Language	15	1	7	1	7	3	20	7	47	3	20	3.67
7. HPER	58	1	2	2	3	24	41	18	31	13	22	3.69
8. Home Economics	43	1	2	2	5	13	30	18	42	9	21	3.74
9. Industrial Education	18	2	11	0	0	5	28	6	33	5	28	3.67
10. LEM	12	0	0	2	17	7	58	3	25	0	0	3.08
11. Math, Comp Science	27	1	4	3	11	7	26	11	41	5	19	3.59
12. Music	48	0	0	3	6	18	38	20	42	7	15	3.65
13. Psychology	5	0	0	0	0	3	60	1	20	1	20	3.60
14. Science	20	0	0	2	10	8	40	6	30	4	20	3.60
15. Social Science	30	0	0	3	10	11	37	11	37	5	17	3.60
16. Special Educ	137	0	0	3	2	25	18	55	40	54	39	4.17
17. Speech	11	0	0	0	0	4	36	4	36	3	27	3.91
18. Speech & Hearing	36	0	0	2	6	3	8	13	36	18	50	4.31
TOTAL	683	10	2	35	5	191	28	261	38	186	27	3.85

Graph B14



Item: 14. Communicate effectively with parents regarding student progress.

—— Need
- - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B15N

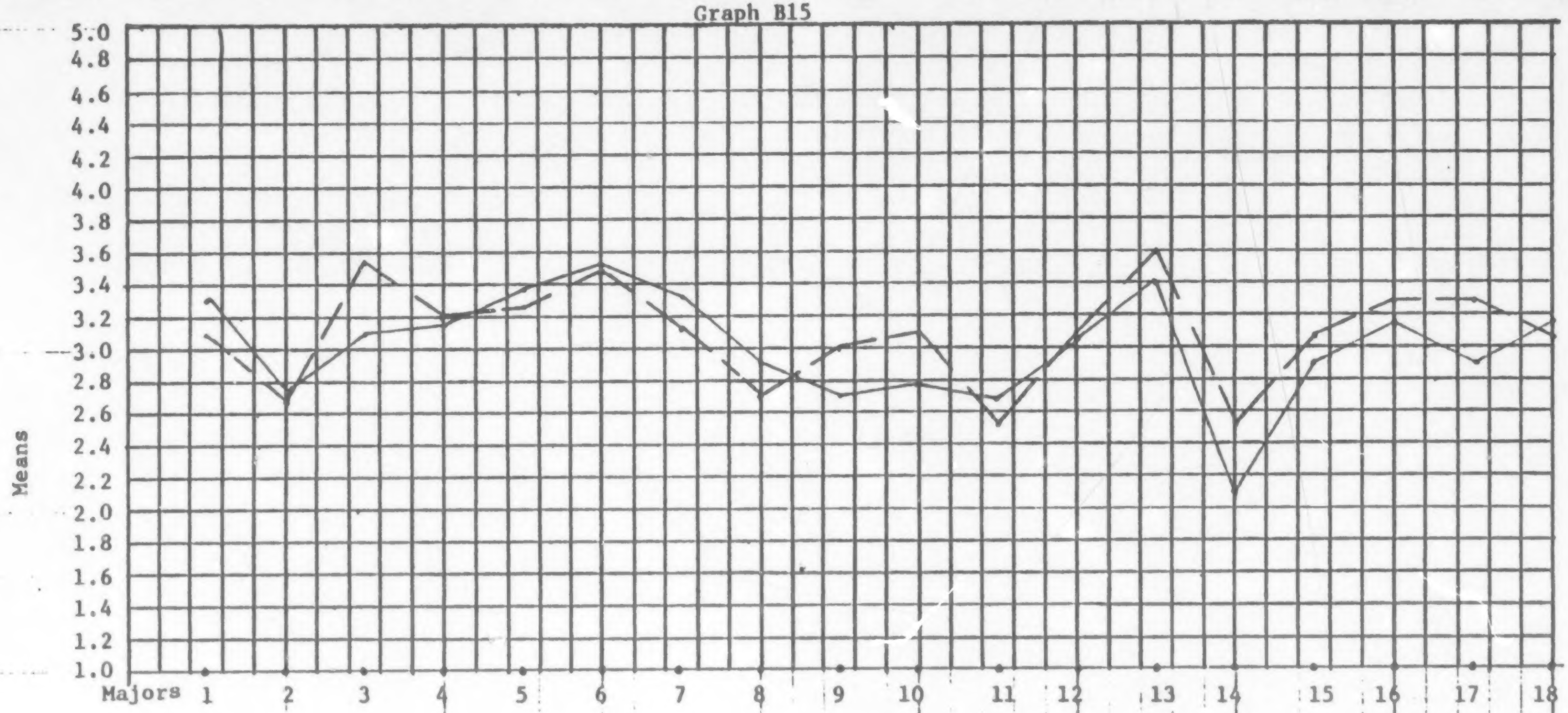
Item: 15. Compare, contrast and utilize various educational philosophical viewpoints.

NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	6	21	7	24	9	31	5	17	3.31
2. Business	35	7	20	6	17	12	34	8	23	2	6	2.77
3. Distributive Ed	9	0	0	1	11	7	78	0	0	1	11	3.11
4. Elementary Education	127	5	4	14	11	71	56	29	23	8	6	3.17
5. English	24	0	0	4	17	10	42	7	29	3	13	3.38
6. Foreign Language	15	2	13	7	47	4	27	9	9	2	13	2.53
7. HPER	58	3	5	9	16	20	35	18	31	8	14	3.33
8. Home Economics	44	5	11	5	11	24	55	8	18	2	5	2.93
9. Industrial Education	18	2	11	5	28	7	39	4	22	0	0	2.72
10. LEM	14	1	7	5	36	5	36	2	14	1	7	2.79
11. Math, Comp Science	27	2	7	10	37	11	41	3	11	1	4	2.67
12. Music	48	3	6	12	25	18	38	11	23	4	8	3.02
13. Psychology	5	0	0	1	20	2	40	1	20	1	20	3.40
14. Science	19	5	26	7	37	7	37	0	0	0	0	2.11
15. Social Science	30	3	10	8	27	11	37	5	17	3	10	2.90
16. Special Educ	139	7	5	23	17	57	41	43	31	9	7	3.17
17. Speech	11	0	0	4	36	4	36	3	27	0	0	2.91
18. Speech & Hearing	36	4	11	5	14	14	39	7	19	6	17	3.17
TOTAL	688	51	7	132	19	291	42	158	23	56	8	3.05

Table B15P

Item: 15. Compare, contrast and utilize various educational philosophical viewpoints.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	1	3	5	17	14	48	8	28	1	3	3.10
2. Business	35	5	14	7	20	17	49	6	17	0	0	2.69
3. Distributive Ed	9	0	0	0	0	6	67	1	11	2	22	3.56
4. Elementary Education	125	3	2	12	10	75	60	27	22	8	6	3.20
5. English	23	1	4	0	0	16	70	4	17	2	9	3.26
6. Foreign Language	15	0	0	1	7	8	53	4	27	2	13	3.47
7. HPER	58	3	5	8	14	28	48	16	28	3	5	3.14
8. Home Economics	43	6	14	7	16	23	54	6	14	1	2	2.74
9. Industrial Education	18	1	6	3	17	9	50	5	28	0	0	3.00
10. LEM	14	1	7	2	14	6	43	5	36	0	0	3.07
11. Math, Comp Science	27	6	22	5	19	12	44	4	15	0	0	2.52
12. Music	48	2	4	7	15	29	60	7	15	3	6	3.04
13. Psychology	5	0	0	0	0	2	40	3	60	0	0	3.60
14. Science	20	5	25	2	10	10	50	3	15	0	0	2.55
15. Social Science	30	1	3	8	27	12	40	6	20	3	10	3.07
16. Special Educ	139	1	1	20	14	67	48	40	29	11	8	3.29
17. Speech	11	0	0	0	0	8	73	3	27	0	0	3.27
18. Speech & Hearing	37	1	3	5	14	25	68	3	8	3	8	3.05
TOTAL	686	37	5	92	13	367	54	151	22	39	6	3.09



Item: 15. Compare, contrast and utilize various educational philosophical viewpoints.

——— Need

- - - - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B16N

Item: 16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

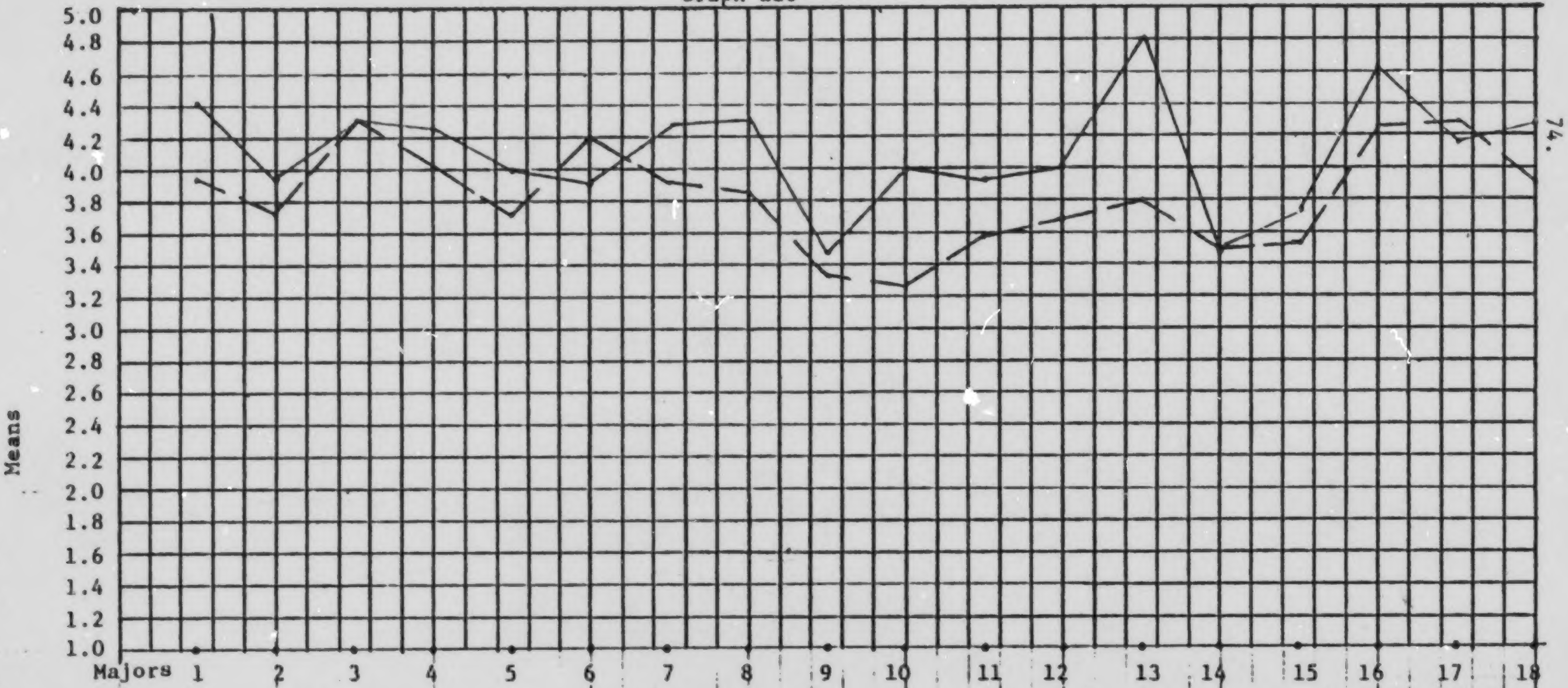
NEED	N	Responses 1 f	1 %	2 f	2 %	3 f	3 %	4 f	4 %	5 f	5 %	Mean
1. Art	29	0	0	2	7	3	10	5	17	19	66	4.41
2. Business	35	0	0	0	0	9	26	18	51	8	23	3.97
3. Distributive Ed	9	0	0	0	0	2	22	2	22	5	56	4.33
4. Elementary Education	128	1	1	3	2	20	16	44	34	60	47	4.24
5. English	24	0	0	0	0	7	29	10	42	7	29	4.00
6. Foreign Language	15	2	13	0	0	2	13	4	27	7	47	3.93
7. HPER	58	2	3	1	2	8	14	15	26	32	55	4.28
8. Home Economics	44	0	0	1	2	6	14	15	34	22	50	4.32
9. Industrial Education	19	1	5	2	11	5	26	9	47	2	11	3.47
10. LEM	15	0	0	0	0	5	33	5	33	5	33	4.00
11. Math, Comp Science	27	0	0	1	4	7	26	11	41	8	30	3.96
12. Music	48	1	2	2	4	11	23	16	33	18	38	4.00
13. Psychology	5	0	0	0	0	0	0	1	20	4	80	4.80
14. Science	19	0	0	2	11	7	37	8	42	2	11	3.53
15. Social Science	30	1	3	4	13	5	17	11	37	9	30	3.77
16. Special Educ	138	0	0	2	1	5	4	38	28	93	67	4.61
17. Speech	11	0	0	1	9	2	18	2	18	6	55	4.18
18. Speech & Hearing	36	1	3	0	0	4	11	15	42	16	44	4.25
TOTAL	690	9	1	21	3	108	16	229	33	323	47	4.21

Table B16P

Item: 16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

		Responses										
PROFICIENCY		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	2	7	5	17	14	48	8	28	3.97
2. Business	35	1	3	1	3	9	26	18	51	6	17	3.77
3. Distributive Ed	9	0	0	0	0	2	22	2	22	5	56	4.33
4. Elementary Education	129	0	0	5	4	23	18	67	52	34	26	4.01
5. English	23	1	4	0	0	7	30	11	48	4	17	3.74
6. Foreign Language	15	0	0	0	0	2	13	8	53	5	33	4.20
7. HPER	58	1	2	5	9	11	19	21	36	20	35	3.93
8. Home Economics	43	0	0	2	5	12	28	19	44	10	23	3.86
9. Industrial Education	19	1	5	1	5	8	42	8	42	1	5	3.37
10. LEM	15	0	0	2	13	8	53	4	27	1	7	3.27
11. Math, Comp Science	27	1	4	1	4	9	33	13	48	3	11	3.59
12. Music	47	1	2	4	9	11	23	22	47	9	19	3.72
13. Psychology	5	0	0	0	0	2	40	2	40	1	20	3.80
14. Science	20	0	0	1	5	8	40	10	50	1	5	3.55
15. Social Science	30	1	3	4	13	7	23	13	43	5	17	3.57
16. Special Educ	139	0	0	0	0	22	16	61	44	56	40	4.24
17. Speech	11	0	0	0	0	2	18	4	36	4	46	4.27
18. Speech & Hearing	36	0	0	0	0	11	31	18	50	7	19	3.89
TOTAL	690	7	1	28	4	159	23	315	23	181	26	3.92

Graph B16



Item: 16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

——————— Need

– – – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

8 Squares to the Inch

Table B17N

Item: 17. Apply the major principles of school law to areas such as dur process, contracts, teaching liability, corporal punishment, etc.

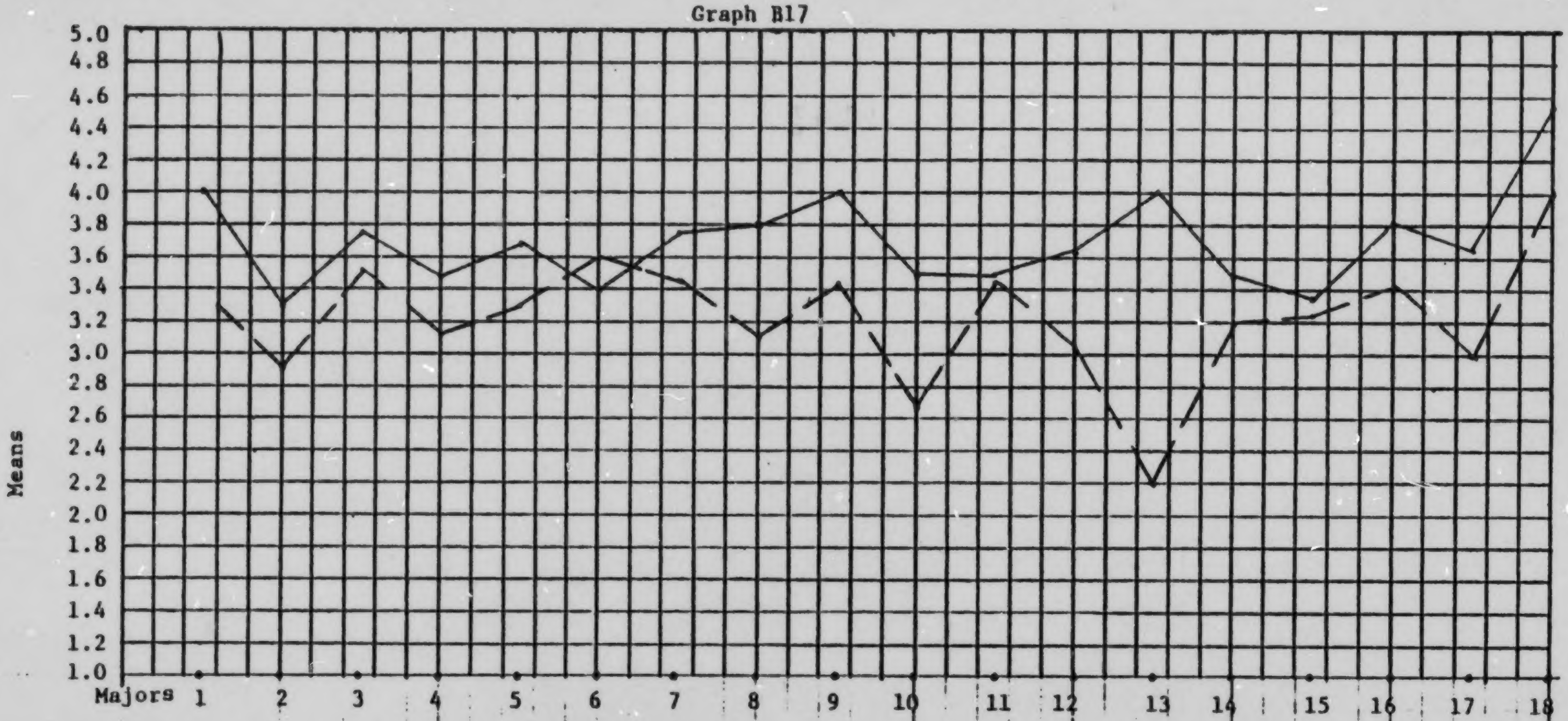
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	0	0	3	11	7	25	5	18	13	46	4.00
2. Business	34	3	9	7	21	9	27	7	21	8	24	3.29
3. Distributive Ed	9	1	11	0	0	3	33	1	11	4	44	3.78
4. Elementary Education	127	3	2	19	15	41	32	43	34	21	17	3.47
5. English	24	0	0	4	17	7	29	6	25	7	29	3.67
6. Foreign Language	15	1	7	2	13	5	33	4	27	3	20	3.40
7. HPER	58	4	7	5	9	12	21	16	28	21	36	3.78
8. Home Economics	44	1	2	4	9	13	30	11	25	15	34	3.80
9. Industrial Education	19	1	5	1	5	3	16	6	32	8	42	4.00
10. LEM	15	1	7	2	13	4	27	4	27	4	27	3.53
11. Math, Comp Science	27	1	4	5	19	8	30	5	19	8	30	3.52
12. Music	48	1	2	5	10	16	33	15	31	11	23	3.63
13. Psychology	5	0	0	0	0	2	40	1	20	2	40	4.00
14. Science	19	2	11	2	11	4	21	7	37	4	21	3.47
15. Social Science	30	4	13	3	10	7	23	10	33	6	20	3.37
16. Special Educ	139	3	2	9	7	42	30	42	30	43	31	3.81
17. Speech	11	0	0	1	9	4	36	3	36	2	18	3.64
18. Speech & Hearing	36	1	3	1	3	1	3	7	19	26	72	4.56
TOTAL	688	27	4	73	11	188	27	194	28	206	30	3.70

Table B17P

Item: 17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	1	4	5	18	11	39	7	25	4	14	3.29
2. Business	34	4	12	9	27	11	32	5	15	5	15	2.94
3. Distributive Ed	9	1	11	0	0	3	33	3	33	2	22	3.56
4. Elementary Education	127	4	3	22	17	61	48	28	22	12	9	3.17
5. English	23	1	4	4	17	10	44	3	13	5	22	3.30
6. Foreign Language	15	0	0	1	7	6	40	6	40	2	13	3.60
7. HPER	58	4	7	5	9	22	38	16	28	11	19	3.43
8. Home Economics	43	2	5	10	23	15	35	13	30	3	7	3.12
9. Industrial Education	19	1	5	2	11	6	32	8	42	2	11	3.42
10. LEM	15	4	27	1	7	6	40	4	27	0	0	2.67
11. Math, Comp Science	27	2	7	3	11	8	30	9	33	5	19	3.44
12. Music	48	2	4	14	29	17	35	10	21	5	10	3.04
13. Psychology	5	2	40	1	20	1	20	1	20	0	0	2.20
14. Science	20	3	15	1	5	7	35	7	35	2	10	3.20
15. Social Science	30	5	17	5	17	4	13	10	33	6	20	3.23
16. Special Educ	137	2	2	17	12	59	43	40	29	19	14	3.41
17. Speech	11	1	9	0	0	8	73	2	18	0	0	3.00
18. Speech & Hearing	37	0	0	1	3	8	22	18	49	10	27	4.00
TOTAL	686	39	6	101	15	263	38	190	28	93	14	3.29

Graph B17



Item: 17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.

——— Need

- - - - - Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B18N

Item: 18. Adequately challenge your gifted/talented students.

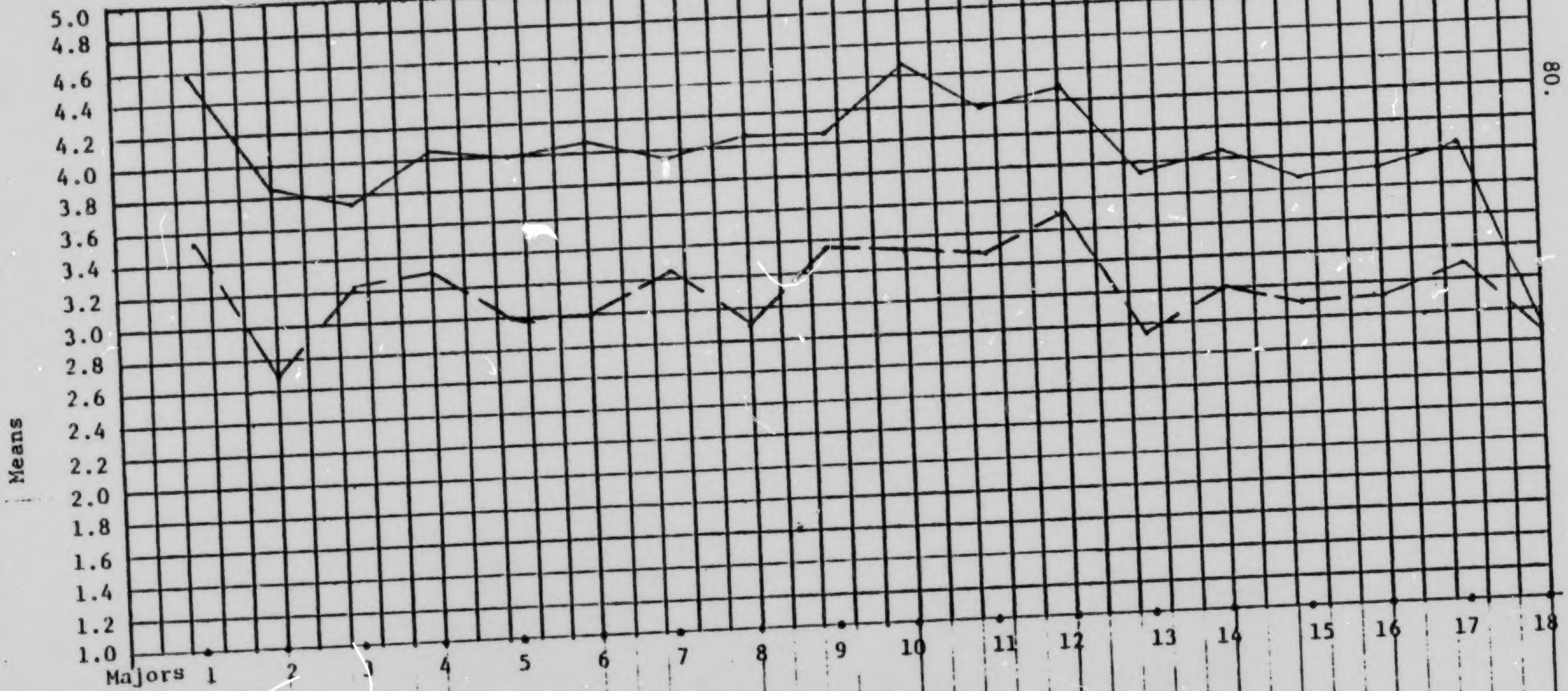
NEED		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	2	7	8	28	19	66	4.59
2. Business	34	0	0	4	12	8	24	11	32	11	32	3.85
3. Distributive Ed	9	0	0	1	11	3	33	2	22	3	33	3.78
4. Elementary Education	125	3	2	6	5	18	14	52	42	46	37	4.06
5. English	22	0	0	1	5	6	27	7	32	8	36	4.00
6. Foreign Language	15	1	7	1	7	1	7	5	33	7	47	4.07
7. HPER	57	3	5	2	4	11	19	18	32	23	40	3.98
8. Home Economics	44	0	0	2	5	10	23	16	36	16	36	4.05
9. Industrial Education	19	1	5	0	0	2	11	10	53	6	32	4.05
10. LEM	15	0	0	0	0	2	13	4	27	9	60	4.47
11. Math, Comp Science	27	0	0	0	0	4	15	14	52	9	33	4.19
12. Music	48	0	0	4	8	4	8	14	29	26	54	4.29
13. Psychology	4	0	0	0	0	1	25	3	75	0	0	3.75
14. Science	19	2	11	1	5	2	11	7	37	7	37	3.84
15. Social Science	30	0	0	4	33	7	23	14	47	5	17	3.67
16. Special Educ	125	8	6	11	9	27	22	38	30	41	33	3.74
17. Speech	11	1	9	1	9	1	9	4	36	4	36	3.82
18. Speech & Hearing	32	9	28	6	19	8	25	4	13	5	16	2.69
TOTAL	665	28	4	44	7	117	18	231	35	245	37	3.93

Table B18P

Item: 18. Adequately challenge your gifted/talented students.

PROFICIENCY		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	0	0	11	38	12	41	4	14	3.55
2. Business	34	2	6	13	38	13	38	6	18	0	0	2.68
3. Distributive Ed	9	1	11	0	0	4	44	4	44	0	0	3.22
4. Elementary Education	128	1	1	22	17	55	43	34	27	16	13	3.33
5. English	21	1	5	3	14	13	62	3	14	1	5	3.00
6. Foreign Language	14	1	7	4	29	5	36	2	14	2	14	3.00
7. HPER	56	2	4	7	13	27	48	15	27	5	9	3.25
8. Home Economics	43	3	7	9	21	21	49	9	21	1	2	2.91
9. Industrial Education	19	1	5	1	5	9	47	6	32	2	11	3.37
10. LEM	15	1	7	1	7	6	40	6	40	1	7	3.33
11. Math, Comp Science	27	1	4	2	7	14	52	9	33	1	4	3.26
12. Music	48	1	2	8	17	11	23	21	44	7	15	3.52
13. Psychology	4	0	0	2	50	1	25	1	25	0	0	2.75
14. Science	19	2	11	4	22	5	26	8	42	0	0	3.00
15. Social Science	30	1	3	10	33	12	40	5	17	2	7	2.90
16. Special Educ	115	11	10	20	17	54	47	26	23	4	4	2.93
17. Speech	11	0	0	4	36	4	36	1	9	2	18	3.09
18. Speech & Hearing	32	4	13	8	25	15	47	5	16	0	0	2.66
TOTAL	654	35	5	118	18	280	43	173	27	48	7	3.12

Graph B18



Item: 18. Adequately challenge your gifted/talented students.

——— Need

– – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

Table B19N

Item: 19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

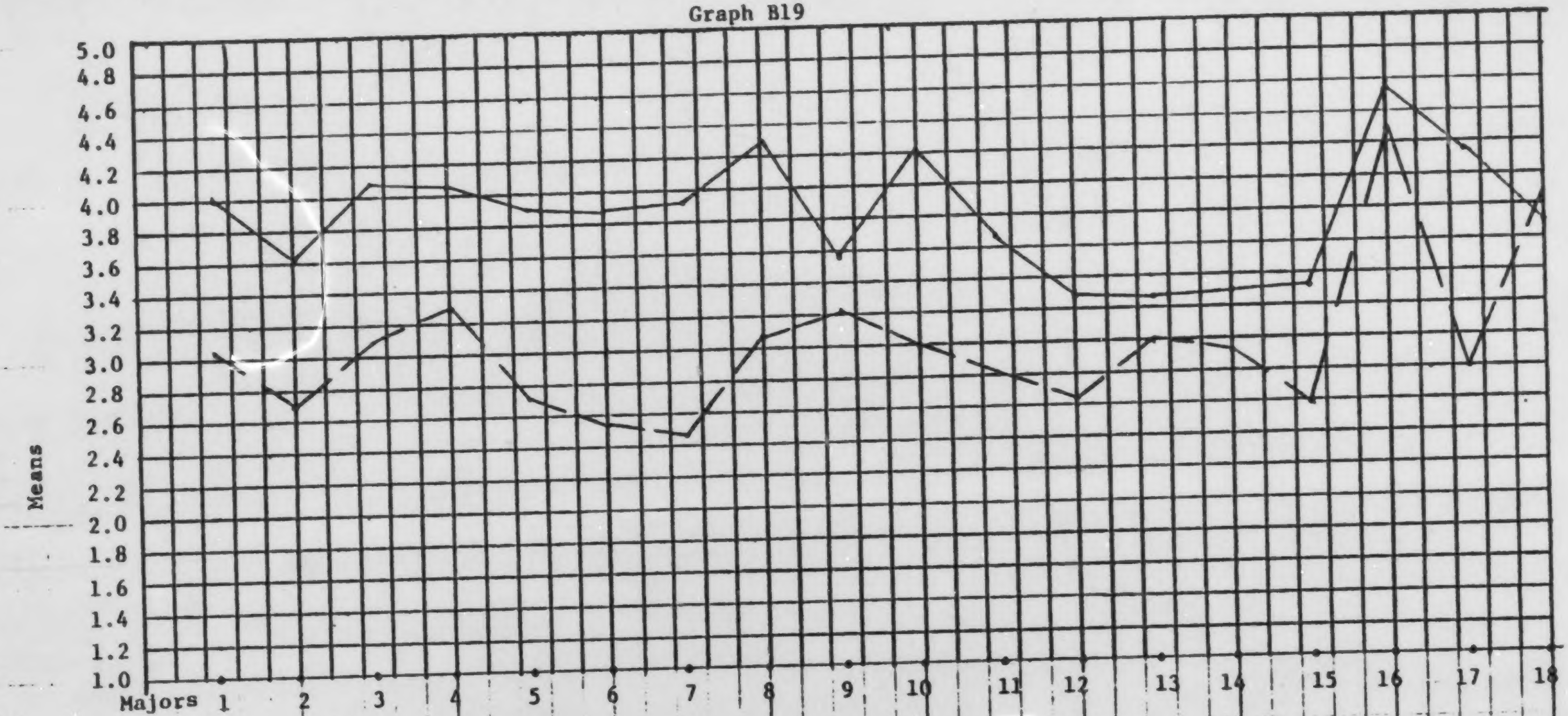
NEED	N	Responses										Mean
		1		2		3		4		5		
		f	%	f	%	f	%	f	%	f	%	
1. Art	29	1	3	3	10	4	14	8	28	13	45	4.00
2. Business	34	3	9	2	6	11	32	7	21	11	32	3.62
3. Distributive Ed	9	1	11	0	0	1	11	2	22	5	56	4.11
4. Elementary Education	125	4	3	6	5	23	18	38	30	54	43	4.06
5. English	23	1	4	1	4	4	17	10	44	7	30	3.91
6. Foreign Language	15	0	0	1	7	5	33	4	27	5	33	3.87
7. HPER	58	2	3	6	10	8	14	20	35	22	38	3.93
8. Home Economics	43	1	2	0	0	6	14	14	33	22	51	4.30
9. Industrial Education	19	2	11	0	0	6	32	7	37	4	21	3.58
10. LEM	14	0	0	1	7	1	7	6	43	6	43	4.21
11. Math, Comp Science	27	0	0	4	15	8	30	8	30	7	26	3.67
12. Music	48	7	15	6	13	10	21	16	33	9	19	3.29
13. Psychology	4	0	0	1	25	2	50	0	0	1	25	3.25
14. Science	17	2	12	2	12	5	29	5	29	3	18	3.29
15. Social Science	29	3	10	2	7	12	41	7	24	5	17	3.31
16. Special Educ	127	0	0	2	2	11	9	26	21	88	69	4.57
17. Speech	11	1	9	0	0	0	0	5	46	5	46	4.18
18. Speech & Hearing	32	6	19	1	3	3	9	8	25	14	44	3.72
TOTAL	664	34	5	38	6	120	18	191	29	281	42	3.97

Table B19P

Item: 19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

		Responses										
PROFICIENCY		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	1	3	8	28	10	35	9	31	1	3	3.03
2. Business	34	5	15	5	15	20	59	3	9	1	3	2.71
3. Distributive Ed	9	0	0	3	33	3	33	2	22	1	11	3.11
4. Elementary Education	122	5	4	20	16	49	40	28	23	20	16	3.31
5. English	22	3	14	4	18	11	50	4	18	0	0	2.73
6. Foreign Language	14	3	21	2	14	7	50	2	14	0	0	2.57
7. HPER	58	2	3	10	17	19	33	14	24	13	22	2.45
8. Home Economics	42	5	12	4	10	19	45	11	26	3	7	3.07
9. Industrial Education	19	1	5	4	21	6	32	6	32	2	11	3.21
10. LEM	14	2	14	2	14	5	36	4	29	1	7	3.00
11. Math, Comp Science	27	3	11	6	22	12	44	5	19	1	4	2.81
12. Music	47	10	21	9	19	17	36	11	23	0	0	2.62
13. Psychology	4	1	25	0	0	2	50	0	0	1	25	3.00
14. Science	18	2	11	2	11	10	56	3	17	1	6	2.94
15. Social Science	29	5	17	8	28	11	38	4	14	1	3	2.59
16. Special Educ	121	0	0	4	3	17	14	40	33	60	50	4.29
17. Speech	10	1	10	3	30	3	30	3	30	0	0	2.80
18. Speech & Hearing	31	2	7	1	3	8	26	9	29	11	36	3.84
TOTAL	650	51	8	95	15	229	35	158	24	117	18	3.30

Graph B19



Item: 19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

——— Need

– – – – Proficiency

Code for Majors

1. Art
2. Business
3. Distributive Educ
4. Elementary Educ
5. English
6. Foreign Language
7. HPER
8. Home Economics
9. Industrial Education
10. LEM
11. Math, Comp Science
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Educ
17. Speech
18. Speech & Hearing

5 squares to the inch

C. Where Were the Proficiencies Developed?

This section of the instrument requested that the teachers denote, in rank order fashion, the eight experiences that contributed most to the proficiencies they noted in Section B of the instrument.

The instructions and a listing of the eight experiences or sources follow:

> In Section B, you noted your needs and proficiencies for 19 competency areas. We now desire you to denote which of the presented areas contributed to your perceived proficiency for each of the competencies. Merely place an "X" in the box which indicates the one area that gave you the concerned proficiency. If more than one area contributed, put "1" in the box which would denote the area that contributed most; "2" in the box which denotes second highest, etc.

AREAS							
Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators

The teachers' responses for this section were not segregated by majors or teaching areas; they were pooled into a total group.

Table C, composed of the next five pages in this report, presents the overall findings for this part of the instrument.

For Item 1, ability to teach reading in your grade or subject, 150 teachers gave "student teaching" some type of ranking credit for developing this proficiency. Some of the 150 teachers probably gave it a rank of 1, some a rank of 2, some a rank of 3, etc. By multiplying the number by each rank, accumulating, and then dividing the sum by 150, an average rank of 1.68 was obtained. This arithmetic process was also done for the seven other source areas for Item 1. The average ranks were then rank ordered -- with first-year teaching experience given rank 1, teaching experience after the first year rank 2, other course work at BGSU rank 3, etc. for developing the ability to teach reading.

Similar interpretations may be constructed for the other 18 items.

It may be seen that first year teaching experience was given credit for the development of the greatest amount of proficiencies for 10 of the 19 competency areas, that other course work at BGSU was given most credit for

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seven of the areas, student teaching for 1 competency area, and teaching experience after the first year for 1 area.

An overall summary of the table is presented on its last page. The eight sources for the development of the concerned proficiencies were, in an overall sense, ranked in importance as follows:

	Rank	Source
Most Important	1	First year teaching experience
	2	Course work at BGSU
	3	Teaching experience after first year
	4	Student teaching (BGSU)
	5	Pre-student teaching field experience (BGSU)
	6	Other teachers
	7	Inservice training
Least Important	8	Supervisors and/or administrators

Table C
"Where Were the Proficiencies Developed?"

Item:	Specifics	AREAS Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
1. Teach reading in your grade area or subject. Need $\overline{X}$ = 3.56 R = 17 Proficiency X = 3.15 R = 17	# Who Ranked	150	95	162	254	124	52	94	22
	Mean of Ranks	1.68	1.96	1.51	1.29	1.44	2.32	2.11	3.41
	Rank of Means	4	5	3	1	2	7	6	8
2. Deal with pupil behavior problems. Need $\overline{X}$ = 4.46 R = 1 Proficiency X = 3.84 R = 7	# Who Ranked	282	48	54	473	208	54	133	80
	Mean of Ranks	1.76	2.58	3.00	1.27	1.66	2.80	2.45	2.49
	Rank of Means	3	6	8	1	2	7	4	5
3. Select, prepare, and effectively utilize educational media. Need $\overline{X}$ = 3.98 R = 11 Proficiency X = 3.63 R = 10	# Who Ranked	268	91	228	246	118	33	58	19
	Mean of Ranks	1.46	1.63	1.35	1.44	1.55	2.39	2.05	3.05
	Rank of Means	3	5	1	2	4	7	6	8
4. Analyze and evaluate your teaching performance skills. Need $\overline{X}$ = 4.09 R = 7 Proficiency X = 3.69 R = 9	# Who Ranked	367	88	103	218	129	25	42	146
	Mean of Ranks	1.36	1.72	1.57	1.54	1.61	2.80	2.40	1.77
	Rank of Means	1	5	3	2	4	8	7	6
5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils. Need $\overline{X}$ = 4.22 R = 5 Proficiency X = 3.71 R = 8	# Who Ranked	223	53	79	282	204	31	46	81
	Mean of Ranks	1.40	1.88	1.57	1.32	1.39	2.29	2.17	1.59
	Rank of Means	3	6	4	1	2	8	7	5

Table C (continued)

Item:	Specifics	AREAS							
		Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).	# Who Ranked Mean of Ranks Rank of Means	147 1.54 3.5	68 1.76 6	200 1.35 1	259 1.43 2	153 1.54 3.5	61 2.23 8	95 1.74 5	50 2.14 7
Need $\overline{X}$ = 3.91 R = 15 Proficiency $\overline{X}$ = 3.28 R = 14.5									
7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.	# Who Ranked Mean of Ranks Rank of Means	137 1.62 4	56 1.86 6	161 1.36 2	253 1.28 1	184 1.41 3	53 1.96 7	108 1.77 5	52 2.10 8
Need $\overline{X}$ = 3.94 R = 13 Proficiency $\overline{X}$ = 3.28 R = 14.5									
8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.	# Who Ranked Mean of Ranks Rank of Means	226 1.58 2	71 1.92 5	44 2.11 6	439 1.23 1	188 1.63 3	12 3.67 8	56 1.91 4	46 2.67 7
Need $\overline{X}$ = 4.29 R = 3 Proficiency $\overline{X}$ = 4.31 R = 1									
9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.	# Who Ranked Mean of Ranks Rank of Means	279 1.55 4	71 1.87 5	120 1.72 4	361 1.39 1	191 1.46 2	42 2.48 7	57 2.42 6	21 2.76 8
Need $\overline{X}$ = 4.41 R = 2 Proficiency $\overline{X}$ = 3.97 R = 3									

Table C (continued)

		AREAS							
Item:	Specifics	Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
10. Individualize instruction to meet the varying needs os students, via techniques such as mastery learning, alternative assignments, indivdiual contracting, group and individual work, etc. Need $\overline{X}$ = 4.07 R = 8 Proficiency $\overline{X}$ = 3.60 R = 11	# Who Ranked	205	69	180	298	199	46	52	27
	Mean of Ranks	1.56	1.97	1.49	1.37	1.56	2.02	1.90	2.78
	Rank of Means	3.5	6	2	1	3.5	7	5	8
11. Prepare and develop lesson plans and teaching units. Need $\overline{X}$ = 4.05 R = 9 Proficiency $\overline{X}$ = 4.02 R = 2	# Who Ranked	452	174	246	218	79	7	24	21
	Mean of Ranks	1.48	1.41	1.40	1.95	2.28	4.71	2.88	3.48
	Rank of Means	3	2	1	4	5	8	6	7
12. Prepare teacher made tests and and evaluate/report pupil progress. Need $\overline{X}$ = 4.02 R = 10 Proficiency $\overline{X}$ = 3.92 R = 4.5	# Who Ranked	298	84	272	280	108	15	26	12
	Mean of Ranks	1.43	1.61	1.39	1.54	2.08	3.13	2.58	3.42
	Rank of Means	2	4	1	3	5	7	6	8
13. Understand and utilize standardized tests. Need $\overline{X}$ = 3.21 R = 18 Proficiency $\overline{X}$ = 3.21 R = 16	# Who Ranked	111	54	359	174	84	30	37	37
	Mean of Ranks	1.41	1.56	1.16	1.45	1.57	2.20	1.89	1.89
	Rank of Means	2	4	1	3	5	8	6.5	6.5

Table C (continued)

		AREAS							
Item:	Specifics	Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
14. Communicate effectively with parents regarding student progress.	# Who Ranked	88	23	33	484	260	22	63	57
	Mean of Ranks	1.68	2.70	2.33	1.13	1.50	2.59	2.24	2.33
	Rank of Means	3	8	5.5	1	2	7	4	5.5
Need $\overline{X}$ = 4.24 R = 4									
Proficiency $\overline{X}$ = 3.85 R = 6									
15. Compare, contrast and utilize various educational philosophical viewpoints.	# Who Ranked	91	61	379	120	91	38	84	39
	Mean of Ranks	1.65	1.48	1.14	1.38	1.60	2.18	1.67	2.51
	Rank of Means	5	3	1	2	4	7	6	8
Need $\overline{X}$ = 3.05 R = 19									
Proficiency $\overline{X}$ = 3.09 R = 19									
16. Encourage and facilitate the developmean of children's social skills and enhanced self-concepts.	# Who Ranked	204	58	121	374	226	50	54	23
	Mean of Ranks	1.59	2.07	1.56	1.31	1.57	2.24	2.30	3.35
	Rank of Means	4	5	2	1	3	6	7	8
Need $\overline{X}$ = 4.21 R = 6									
Proficiency $\overline{X}$ = 3.92 R = 4.5									
17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	# Who Ranked	66	27	242	236	144	53	92	133
	Mean of Ranks	1.77	2.26	1.29	1.34	1.58	1.77	1.59	1.64
	Rank of Means	6.5	8	1	2	3	6.5	4	5
Need $\overline{X}$ = 3.70 R = 16									
Proficiency $\overline{X}$ = 3.29 R = 13									

Table C (continued)

Item:	Specifics	AREAS							
		Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
18. Adequately challenge your gifted/talented students.	# Who Ranked	93	31	112	185	225	96	78	28
	Mean of Ranks	1.48	1.77	1.37	1.28	1.23	1.40	1.54	2.25
	Rank of Means	5	7	3	2	1	4	6	8
Need $\overline{X} = 3.93$ R = 14									
Proficiency $\overline{X} = 3.12$ R = 18									
19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.	# Who Ranked	94	42	112	238	212	61	93	40
	Mean of Ranks	1.64	1.88	1.47	1.22	1.32	1.75	1.67	2.18
	Rank of Means	4	7	3	1	2	6	5	8
Need $\overline{X} = 3.97$ R = 12									
Proficiency $\overline{X} = 3.30$ R = 12									
	Mean of the Rank's	3.45	5.42	2.76	1.68	3.11	7.02	5.55	7.05
	Rank	4	5	2	1	3	7	6	8

D. Miscellaneous Evaluations Regarding Majors, Professional Components, and Group Requirements

This section of the report presents the findings for the teachers' responses from page 5 of the instrument. The teachers were asked to give evaluative responses to 16 items presented on this page.

A summary set of findings, per major, for each of these items is presented via Tables D1 through D10-7. These tables are presented in this section (D) of the report.

Brief examples of findings from these tables are:

1. Only 4% of the total number of graduates thought there were too many required courses in their majors -- 73% thought the number was about right. (Table D1)

2. 28% of art and 33% of the math majors thought the content of their majors were largely irrelevant to the needs of teachers (Table D2).

3. Overall, 33% of the teachers thought the content of their majors was too broad, 17% thought it was too narrow, and 50% thought it was about right (Table D3).

4. Overall, 16% of the teachers responded that there were "too many" professional education courses required in their program, 24% stated "too few" and 60% stated "about right" (Table D5).

5. Approximately 80% of the total group of teachers responded that the content and experiences making up the professional component were somewhat or generally well suited to the preparation of a teacher (Table D6).

6. Overall, 88% of the teachers believed that the general group requirements were at least somewhat valuable (Tables D7 and D8).

7. Only 41% of the total group of teachers stated that BGSU gave them early in their studies an adequate orientation to teacher education, e.g., career options, employment potential, etc. (Table D9).

8. The overall general comparative evaluative ratings for seven

Table D1

Item: 1. The number of courses or credits required for my major (e.g. English courses for English majors, Math courses for Math majors, etc.) was:

_____ (1) too large or too many _____ (2) too small or too few ____(3) about right

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	28	1	4	5	18	22	79	2.75
2. Business	35	2	6	2	6	31	87	2.83
3. Distributive Ed	9	1	11	3	33	5	56	2.44
4. Elementary Education	127	4	3	25	20	98	77	2.74
5. English	24	2	8	3	13	19	79	2.71
6. Foreign Language	15	0	0	4	27	11	73	2.73
7. HPER	58	2	3	7	12	49	85	2.81
8. Home Economics	44	1	2	17	39	26	59	2.67
9. Industrial Education	19	0	0	9	47	10	53	2.63
10. LEM	15	1	7	4	27	10	67	2.60
11. Math, Comp Science	27	1	4	1	4	25	93	2.89
12. Music	48	5	10	5	10	38	79	2.69
13. Psychology	5	0	0	1	20	4	80	2.80
14. Science	20	0	0	3	15	17	85	2.85
15. Social Science	30	1	3	8	27	21	70	2.67
16. Special Educ	138	3	2	49	36	86	62	2.60
17. Speech	12	1	8	2	17	9	75	2.67
18. Speech & Hearing	37	0	0	12	32	2	68	2.68
TOTAL	691	25	4	160	23	506	73	2.70

Table D2

Item: 2. The content of my major was:

_____ (1) well adapted to the needs of teachers

_____ (2) only moderately relevant to the needs of teachers

_____ (3) largely irrelevant to the needs of teachers

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	5	17	16	55	8	28	2.10
2. Business	35	20	57	12	34	3	9	1.61
3. Distributive Ed	9	5	56	4	44	0	0	1.44
4. Elementary Education	130	53	41	70	54	7	5	1.65
5. English	24	5	21	14	58	5	21	2.00
6. Foreign Language	15	5	33	7	47	3	20	1.87
7. HPER	58	39	67	18	31	1	8	1.34
8. Home Economics	44	12	27	27	61	5	11	1.84
9. Industrial Education	19	8	42	9	47	2	11	1.68
10. LEM	15	10	67	5	34	0	0	1.33
11. Math, Comp Science	27	1	4	17	63	9	33	1.30
12. Music	47	25	53	22	47	0	0	1.47
13. Psychology	5	1	20	3	60	1	20	2.00
14. Science	20	7	35	9	45	4	20	1.85
15. Social Science	30	9	30	15	50	6	20	1.90
16. Special Educ	140	71	51	62	44	7	5	1.64
17. Speech	12	3	25	9	75	0	0	1.75
18. Speech & Hearing	37	13	35	23	62	1	3	1.68
TOTAL	696	292	42	342	49	62	9	1.67

Table D3

Item: 3. The content of my major was:
____ (1) too broad and general for the needs of teachers
____ (2) too narrow and specialized for the needs of teachers
____ (3) well balanced to provide both breadth and depth

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	13	45	8	28	8	28	1.83
2. Business	35	7	20	2	6	26	74	2.64
3. Distributive Ed	9	5	56	1	11	3	33	1.78
4. Elementary Education	127	54	43	8	6	65	51	2.09
5. English	24	5	21	8	33	11	46	2.25
6. Foreign Language	15	2	13	6	40	7	47	2.33
7. HPER	57	7	12	12	21	38	67	2.64
8. Home Economics	44	20	46	6	14	18	41	1.85
9. Industrial Education	18	6	33	1	6	11	61	2.28
10. LEM	15	3	20	2	13	10	67	2.47
11. Math, Comp Science	26	8	31	10	39	8	31	2.00
12. Music	47	13	28	12	26	22	47	2.19
13. Psychology	5	0	0	2	40	3	60	2.60
14. Science	20	3	15	9	45	8	40	2.25
15. Social Science	30	7	23	10	33	13	43	2.20
16. Special Educ	136	60	44	6	4	70	52	2.07
17. Speech	12	4	33	3	26	5	42	2.08
18. Speech & Hearing	37	7	19	10	27	20	54	2.35
TOTAL	686	224	33	116	17	346	50	2.18

Table D4

Item: 4. Courses in my major were taught in a way that:

____ (1) related the content to the needs ot teachers in most instances

____ (2) related the content to the needs of teachers in some instances

____ (3) had no observable relationship to the needs of teachers

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	5	17	21	72	3	10	1.93
2. Business	35	16	46	18	51	1	3	1.67
3. Distributive Ed	9	1	11	8	89	0	0	1.89
4. Elementary Education	130	43	31	85	65	2	2	1.68
5. English	24	5	21	14	58	5	21	2.00
6. Foreign Language	15	1	7	11	73	3	20	2.13
7. HPER	58	34	59	24	41	0	0	1.41
8. Home Economics	44	15	34	22	50	7	16	1.82
9. Industrial Education	19	5	26	12	62	2	11	1.84
10. LEM	15	9	60	6	40	0	0	1.40
11. Math, Comp Science	27	0	0	16	59	11	41	2.41
12. Music	48	23	48	25	52	0	0	1.52
13. Psychology	5	0	0	3	60	2	40	2.40
14. Science	20	2	10	12	60	6	30	3.20
15. Social Science	30	6	20	19	63	5	17	1.97
16. Special Educ	140	58	41	79	56	3	2	1.61
17. Speech	12	2	17	9	75	1	8	1.92
18. Speech & Hearing	37	5	14	30	81	2	5	1.92
TOTAL	697	230	33	414	59	53	8	1.75

Table D5

Item: 5. The number of credits or courses required in the professional component (commonly called "the education courses") of the program was:

____ (1) too large or too many ____ (2) too small or too few ____ (3) about right

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	2	7	12	41	15	52	2.45
2. Business	35	9	26	5	14	21	60	2.34
3. Distributive Ed	9	0	0	2	22	7	78	2.78
4. Elementary Education	130	10	8	29	22	91	70	2.62
5. English	24	4	17	8	33	12	50	2.33
6. Foreign Language	15	1	7	5	33	9	60	2.53
7. HPER	58	14	24	10	17	34	59	2.34
8. Home Economics	44	5	11	21	48	18	41	2.30
9. Industrial Education	19	5	26	5	26	9	47	2.21
10. LEM	15	5	33	2	13	8	53	2.20
11. Math, Comp Science	27	6	22	8	30	13	48	2.26
12. Music	48	13	27	8	17	27	56	2.29
13. Psychology	5	0	0	2	40	3	60	2.60
14. Science	20	5	25	2	10	13	65	2.40
15. Social Science	30	7	23	8	27	15	50	2.27
16. Special Educ	140	11	8	32	23	97	69	2.61
17. Speech	12	1	8	7	58	4	33	2.25
18. Speech & Hearing	37	13	35	3	8	21	57	2.22
TOTAL	697	111	16	169	24	417	60	2.44

Table D6

6. The content and experiences making up the professional component:

Item: ____ (1) were generally well suited to preparation of a teacher

____ (2) were somewhat suited to preparation of a teacher

____ (3) made little real contribution to preparation of a teacher

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	3	10	15	52	11	38	2.28
2. Business	35	8	23	17	49	10	29	2.06
3. Distributive Ed	9	4	44	4	44	1	11	1.67
4. Elementary Education	130	52	40	65	50	13	10	1.70
5. English	24	3	13	8	33	13	54	2.42
6. Foreign Language	15	4	27	10	67	1	7	1.80
7. HPER	58	23	40	26	45	9	16	1.76
8. Home Economics	44	7	16	20	46	17	39	2.23
9. Industrial Education	19	3	16	13	68	3	16	2.00
10. LEM	15	1	7	9	60	5	33	2.27
11. Math, Comp Science	27	8	30	12	44	7	26	1.96
12. Music	48	7	15	29	60	12	25	2.10
13. Psychology	5	1	20	2	40	2	40	2.20
14. Science	20	2	10	11	55	7	35	2.25
15. Social Science	30	9	30	9	30	12	40	2.10
16. Special Educ	139	72	52	60	43	7	5	1.53
17. Speech	12	1	8	7	58	4	33	2.25
18. Speech & Hearing	37	12	32	14	38	11	30	1.97
TOTAL	696	220	32	331	48	145	21	1.89

Table D7

Item: 7. The general group requirements (Group 1 - Composition, Literature, Speech: Group 2 - Science and Math; Group 3 - Social Science; and Group 4 0 Fine and Applied Arts)

____ (1) provided for acquisition of a breadth of knowledge needed by "educated" people

____ (2) was somewhat valuable

____ (3) was generally a waste of time

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	15	52	13	45	1	3	1.62
2. Business	35	13	37	18	51	4	11	1.74
3. Distributive Ed	9	0	0	6	67	3	33	2.33
4. Elementary Education	129	54	42	61	47	14	11	1.69
5. English	24	16	67	6	25	2	8	1.42
6. Foreign Language	15	10	67	4	27	1	7	1.40
7. HPER	57	21	37	28	49	8	14	1.77
8. Home Economics	44	15	34	18	41	11	25	1.91
9. Industrial Education	19	12	63	6	32	1	5	1.42
10. LEM	14	7	50	6	43	1	7	1.67
11. Math, Comp Science	27	17	59	10	37	1	4	1.44
12. Music	48	18	38	22	46	8	17	1.79
13. Psychology	5	3	60	2	40	0	0	1.40
14. Science	20	13	65	5	25	2	10	1.45
15. Social Science	30	12	40	16	53	2	7	1.67
16. Special Educ	138	55	40	62	45	21	15	1.75
17. Speech	12	9	75	3	25	0	0	1.25
18. Speech & Hearing	37	14	38	20	54	3	8	1.70
TOTAL	692	303	44	306	44	83	12	1.68

Table D8

8. The general group requirements
Item: ____ (1) provided a good background for teachers
____ (2) was somewhat significant for prospective teachers
____ (3) was generally of little significance for prospective teachers

		Responses						
		1		2		3		
	N	f	%	f	%	f	%	Mean
1. Art	29	16	55	11	38	2	7	1.62
2. Business	35	15	43	14	40	6	17	1.74
3. Distributive Ed	9	1	11	8	89	0	0	1.89
4. Elementary Education	129	50	39	62	48	17	13	1.74
5. English	24	14	58	7	29	3	13	1.54
6. Foreign Language	15	9	60	5	33	1	7	1.47
7. HPER	58	21	36	28	48	9	16	1.79
8. Home Economics	44	12	27	28	64	4	9	1.82
9. Industrial Education	19	9	47	9	47	1	5	1.58
10. LEM	14	7	50	7	50	0	0	1.60
11. Math, Comp Science	27	16	59	10	37	1	4	1.44
12. Music	48	17	35	25	52	6	13	1.77
13. Psychology	5	2	40	2	40	1	20	1.80
14. Science	20	8	40	10	50	2	10	1.70
15. Social Science	30	10	33	16	53	4	13	1.80
16. Special Educ	136	43	32	68	50	25	18	1.87
17. Speech	12	6	50	5	42	1	8	1.58
18. Speech & Hearing	37	17	46	17	46	3	8	1.62
TOTAL	691	273	40	332	48	86	12	1.73

Table D9

Item: 9. Bowling Green State University gave me very early in my studies an adequate orientation to teacher education, e.g., career options, employment potential, working conditions/expectations, salaries, etc.

		Responses										
		SD 1		D 2		No opinion 3		A 4		SA 5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	8	28	13	45	1	4	7	24	0	0	2.24
2. Business	35	4	11	16	46	3	9	10	29	2	6	2.71
3. Distributive Ed	9	1	11	2	22	1	11	4	44	1	11	3.22
4. Elementary Education	128	11	7	38	30	23	18	47	37	9	7	3.04
5. English	24	4	17	7	29	3	13	8	33	2	8	2.88
6. Foreign Language	15	1	7	5	33	1	7	8	53	0	0	3.07
7. HPER	58	5	9	15	26	5	9	23	40	10	17	3.31
8. Home Economics	44	10	23	26	59	3	7	4	9	1	2	2.09
9. Industrial Education	18	2	11	5	28	1	6	8	44	2	11	3.17
10. LEM	15	3	20	3	20	2	13	7	47	0	0	2.87
11. Math, Comp Science	27	3	11	11	41	1	4	8	30	4	15	2.96
12. Music	48	9	19	28	58	1	2	8	17	2	4	2.29
13. Psychology	5	2	40	1	20	0	0	2	40	0	0	2.40
14. Science	19	2	11	10	53	1	5	4	21	2	11	2.68
15. Social Science	30	6	20	9	30	4	13	8	27	3	10	2.77
16. Special Educ	137	15	11	42	31	12	9	54	39	14	10	3.07
17. Speech	12	2	17	6	50	1	8	2	17	1	8	2.50
18. Speech & Hearing	37	4	11	15	41	1	3	15	41	2	5	2.89
TOTAL	690	92	13	252	37	64	9	227	33	55	8	2.86

Table D10-1

Item: 10. Please provide a rating of the value of each of the following seven areas in your preparation to become a teacher.

1. Educational Psychology (Educ 302) Responses

		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	0	0	4	14	11	38	10	35	3	10	3.43
2. Business	35	3	9	2	6	16	46	11	31	3	9	3.26
3. Distributive Ed	9	0	0	2	22	2	22	5	56	0	0	3.33
4. Elementary Education	127	4	3	13	10	42	32	56	43	12	9	3.46
5. English	24	1	4	4	17	9	38	7	29	3	13	3.29
6. Foreign Language	15	1	7	2	13	4	27	4	27	4	27	3.53
7. HPER	56	1	2	11	19	22	37	16	27	6	10	3.27
8. Home Economics	43	6	14	3	7	22	50	8	18	4	9	3.02
9. Industrial Education	19	1	5	2	11	4	21	9	47	3	16	3.59
10. LEM	15	1	7	1	7	5	33	5	33	3	20	3.53
11. Math, Comp Science	27	2	7	3	11	7	26	11	41	4	15	3.44
12. Music	47	5	10	6	13	15	31	15	31	6	13	3.23
13. Psychology	5	0	0	1	20	0	0	3	60	1	20	3.80
14. Science	20	0	0	1	5	8	40	11	55	0	0	3.50
15. Social Science	2	3	10	3	10	12	40	10	33	2	7	3.17
16. Special Educ	135	3	2	8	6	45	32	48	34	31	22	3.71
17. Speech	12	0	0	1	8	3	25	5	42	3	25	3.83
18. Speech & Hearing	37	0	0	7	19	11	30	12	32	7	19	3.51
TOTAL	684	31	4	74	11	238	34	246	35	95	14	3.44

Table D10-2

Item: 2. Methods course (or methods sequence if elementary or special education major)

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	3	10	2	7	9	31	8	28	5	17	3.37
2. Business	34	0	0	1	3	7	20	15	43	11	31	4.06
3. Distributive Ed	8	0	0	1	11	1	11	4	44	2	22	3.88
4. Elementary Education	129	2	2	2	2	21	16	33	25	71	55	4.31
5. English	24	3	13	5	21	8	33	3	13	5	21	3.08
6. Foreign Language	14	0	0	1	7	4	27	4	27	5	33	3.93
7. HPER	54	1	2	1	2	11	19	24	41	17	29	4.02
8. Home Economics	42	5	11	4	9	11	25	18	41	4	9	3.29
9. Industrial Education	17	0	0	1	5	8	42	5	26	3	16	3.59
10. LEM	14	2	13	1	7	4	27	1	7	6	40	3.57
11. Math, Comp Science	27	1	4	4	15	3	11	9	33	10	37	3.85
12. Music	47	0	0	1	2	8	17	23	48	15	31	4.11
13. Psychology	5	1	20	0	0	1	20	0	0	3	60	3.80
14. Science	20	3	15	4	20	5	25	5	25	3	15	3.05
15. Social Science	30	2	7	3	10	7	23	10	33	8	27	3.63
16. Special Educ	139	0	0	5	4	18	13	49	35	67	48	4.28
17. Speech	11	1	8	2	17	2	17	3	25	3	25	3.45
18. Speech & Hearing	25	12	32	1	3	2	5	5	14	3	8	3.64
TOTAL	667	25	4	40	6	133	19	228	33	241	35	3.93

Table D10-3

Item: 3. Tests and Measurements (Most recent title: Assessment and Evaluation in Education) (Educ. 402)

Responses

		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	10	35	10	35	5	17	3	10	1	3	2.14
2. Business	35	3	9	9	26	14	40	4	11	5	14	2.97
3. Distributive Ed	9	1	11	3	33	4	44	0	0	1	11	2.67
4. Elementary Education	129	4	3	20	15	52	40	40	31	13	10	3.29
5. English	24	5	21	4	17	7	29	6	25	2	8	2.83
6. Foreign Language	15	3	20	0	0	3	20	6	40	3	20	3.40
7. HPER	57	4	7	5	9	16	27	17	29	15	25	3.60
8. Home Economics	43	3	7	6	14	13	30	17	39	4	9	3.30
9. Industrial Education	19	2	11	1	5	4	21	7	37	5	26	3.63
10. LEM	14	2	13	3	20	5	33	3	20	1	7	2.86
11. Math, Comp Science	26	2	7	0	0	8	30	14	52	2	7	3.54
12. Music	47	6	13	15	31	13	27	11	23	2	4	2.74
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	20	0	0	3	15	5	25	9	45	3	15	3.60
15. Social Science	30	3	10	4	13	12	40	8	27	3	10	3.13
16. Special Educ	139	10	7	26	19	47	34	40	29	16	11	3.19
17. Speech	12	2	17	2	17	5	42	2	17	1	8	2.83
18. Speech & Hearing	37	4	11	8	22	17	46	7	19	1	3	2.81
TOTAL	690	64	9	119	17	231	33	197	28	79	11	3.16

Table D10-4

Item: 4. Philosophy of Education (Most recent title: Education in a Pluralistic Society) (Educ. 408)

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	8	28	3	10	6	21	6	21	5	17	2.89
2. Business	33	7	20	6	17	11	31	7	20	2	6	2.73
3. Distributive Ed	9	1	11	4	44	3	33	0	0	1	11	2.56
4. Elementary Education	126	15	12	26	20	50	39	31	24	4	3	2.87
5. English	23	3	13	4	17	9	38	7	29	0	0	2.87
6. Foreign Language	14	3	20	3	20	3	20	3	20	2	13	2.86
7. HPER	57	9	15	14	24	23	39	7	12	4	7	2.70
8. Home Economics	33	5	11	10	23	14	32	2	5	2	5	2.58
9. Industrial Education	19	6	32	2	11	5	26	3	16	3	16	2.74
10. LEM	15	5	33	2	13	6	40	1	7	1	7	2.40
11. Math, Comp Science	25	6	22	6	22	9	33	4	15	0	0	2.44
12. Music	46	9	19	9	19	13	27	9	19	6	13	2.87
13. Psychology	5	0	0	0	0	3	60	1	20	1	20	3.60
14. Science	20	4	20	8	40	5	25	2	10	1	5	2.40
15. Social Science	30	6	20	4	13	9	30	9	30	2	7	2.90
16. Special Educ	139	17	12	34	24	55	39	21	15	12	9	2.83
17. Speech	12	4	33	2	17	5	42	1	8	0	0	2.25
18. Speech & Hearing	36	7	19	17	46	10	27	2	5	0	0	2.19
TOTAL	670	115	17	154	22	239	34	116	17	46	7	2.73

Table D10-5

Item: 5. American School System (Most recent title: Organization and Administration of Education in American Society) (Educ. 409)

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	24	1	3	1	3	12	41	5	17	5	17	3.50
2. Business	33	2	6	4	11	13	37	10	29	4	11	3.30
3. Distributive Ed	8	0	0	0	0	4	44	3	33	1	11	3.63
4. Elementary Education	120	8	6	18	14	43	33	36	28	15	12	3.27
5. English	21	4	17	3	13	5	21	6	25	3	13	3.05
6. Foreign Language	13	1	7	1	7	5	33	3	20	3	20	3.46
7. HPER	55	1	2	8	14	20	34	18	31	8	14	3.44
8. Home Economics	29	4	9	3	7	11	25	6	14	5	11	3.17
9. Industrial Education	18	2	11	3	16	6	32	2	11	5	26	3.28
10. LEM	12	1	7	2	13	6	40	2	13	1	7	3.00
11. Math, Comp Science	25	3	11	3	11	9	33	6	22	4	15	3.20
12. Music	45	5	10	4	8	10	21	17	35	9	19	3.47
13. Psychology	4	0	0	0	0	1	20	3	60	0	0	3.75
14. Science	20	2	10	2	10	6	30	8	40	2	10	3.30
15. Social Science	29	3	10	5	17	11	37	7	23	3	10	3.07
16. Special Educ	134	9	6	17	12	63	45	34	24	11	8	3.16
17. Speech	12	2	17	0	0	5	42	5	42	0	0	3.08
18. Speech & Hearing	36	1	3	13	35	13	35	7	19	2	5	3.89
TOTAL	639	49	7	87	13	243	35	178	26	81	12	3.24

Table D10-6

Item: 6. Student Teaching

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	1	3	0	0	2	7	5	17	21	72	4.55
2. Business	35	0	0	0	0	3	9	6	17	26	74	4.66
3. Distributive Ed	9	0	0	0	0	1	11	1	11	7	78	4.67
4. Elementary Education	130	0	0	1	1	7	5	31	24	91	70	4.63
5. English	24	0	0	0	0	2	8	6	25	16	67	4.58
6. Foreign Language	15	0	0	1	7	0	0	4	27	10	67	4.53
7. HPER	57	0	0	2	3	0	0	15	25	40	68	4.61
8. Home Economics	44	0	0	2	5	1	2	13	30	28	64	4.52
9. Industrial Education	19	0	0	0	0	1	5	7	37	11	58	4.53
10. LEM	15	0	0	1	7	3	20	7	47	4	27	3.93
11. Math, Comp Science	27	0	0	1	4	1	4	4	15	21	78	4.67
12. Music	47	0	0	2	4	4	8	13	27	28	58	4.43
13. Psychology	5	0	0	0	0	0	0	0	0	5	100	5.0
14. Science	19	0	0	0	0	0	0	6	30	13	65	4.68
15. Social Science	30	1	3	0	0	1	3	7	23	21	70	4.57
16. Special Educ	139	0	0	1	1	2	1	31	21	105	75	4.73
17. Speech	12	0	0	0	0	1	8	1	8	10	83	4.75
18. Speech & Hearing	37	0	0	1	3	2	5	8	22	26	70	4.59
TOTAL	693	2	0	12	2	31	4	165	24	483	69	4.61

Table D10-7

Item: 7. Student Teaching Seminars

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	26	3	10	4	14	6	21	8	28	5	17	3.31
2. Business	27	2	6	3	9	10	29	9	26	3	9	3.30
3. Distributive Ed	8	0	0	0	0	4	44	3	33	1	11	3.63
4. Elementary Education	120	2	2	16	12	40	31	51	39	11	9	3.44
5. English	23	0	0	5	21	7	29	5	21	6	25	3.52
6. Foreign Language	13	0	0	1	7	7	47	3	20	2	13	3.46
7. HPER	56	1	2	5	9	26	44	16	27	8	14	3.45
8. Home Economics	43	8	18	5	11	19	43	8	18	3	7	3.84
9. Industrial Education	17	2	11	2	11	6	32	4	21	3	16	3.24
10. LEM	11	0	0	3	20	4	27	3	20	1	7	3.18
11. Math, Comp Science	26	0	0	4	15	7	26	9	33	6	22	3.65
12. Music	39	2	4	2	4	20	42	11	23	4	8	3.33
13. Psychology	5	0	0	0	0	2	40	1	20	2	40	4.00
14. Science	17	1	5	4	20	8	40	3	15	1	5	2.94
15. Social Science	25	2	7	6	20	12	40	3	10	2	7	2.88
16. Special Educ	132	13	9	13	9	39	28	47	34	20	14	3.36
17. Speech	12	1	8	0	0	5	42	3	25	3	25	3.58
18. Speech & Hearing	34	2	5	7	19	12	32	8	22	5	14	3.21
TOTAL	634	39	6	80	12	234	34	195	28	86	12	3.33

E. Off-Campus Field Experiences

These items, presented on page 6 of the instrument, asked the teachers to give evaluations to various aspects of their off-campus field experiences.

Their responses are summarized in Tables E1A through E3C.

A very limited set of findings from these tables are:

1. 48% of the home economic majors thought their student teaching university supervision was below average, likewise 35% of the speech and hearing majors thought their supervision was below average (Table E1A).

2. 48% of the elementary majors and 44% of the special education majors thought the university supervision for Merge, MAP, Methods Observations, etc was "excellent" (Table E1B).

3. Only 7% of the teachers thought the classroom teachers were below average in supervision while doing student teaching (Table E2A).

4. Only 8% thought the "schools" provided below average supervision for other field experiences, such as Merge, MEP, etc (Table E2B).

5. 87% of the teachers gave positive evaluations to field experiences in helping them become effective teachers (Table E3B).

6. On the average, 33% of the teachers were involved in field experiences (other than student teaching) for just one quarter, 30% for 2 quarters, 22% for 3 quarters, 11% for 4 quarters and 4% for 5 quarters (Table E3C).

Table E1A

Item: 1. How do you feel about the adequacy of the University supervision when you were doing:

A. Student Teaching

		Responses										
		Poor		Bel Aver		Average		Good		Excellent		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	3	11	1	4	3	11	9	32	12	43	3.93
2. Business	35	2	6	4	11	7	20	13	37	9	26	3.66
3. Distributive Ed	9	0	0	1	11	2	22	2	22	4	44	4.00
4. Elementary Education	129	4	3	12	9	27	21	43	33	43	33	3.85
5. English	23	0	0	1	4	3	13	6	26	13	57	4.35
6. Foreign Language	15	0	0	0	0	1	7	6	40	8	53	4.47
7. HPER	57	0	0	9	16	13	23	19	33	16	28	3.74
8. Home Economics	44	8	18	13	30	9	21	8	18	6	14	2.80
9. Industrial Education	19	1	5	2	11	6	32	6	32	4	21	3.63
10. LEM	15	1	7	0	0	7	47	3	20	4	27	3.60
11. Math, Comp Science	27	0	0	1	4	3	11	11	41	12	44	4.26
12. Music	48	0	0	3	6	6	13	18	38	21	44	4.19
13. Psychology	5	0	0	0	0	2	40	3	60	0	0	3.60
14. Science	20	0	0	1	5	0	0	10	50	9	45	4.35
15. Social Science	30	2	7	6	20	1	3	14	47	7	23	3.60
16. Special Educ	138	8	6	21	15	32	23	41	30	36	26	3.65
17. Speech	11	0	0	0	0	2	18	3	27	6	55	4.36
18. Speech & Hearing	37	6	16	7	19	10	27	9	24	5	14	3.00
TOTAL	690	35	5	82	12	134	19	224	33	215	31	3.73

Table E1B

Item: B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?

		Responses										
		Poor		Bel Aver		Average		Good		Excellent		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	23	1	4	3	13	8	35	8	35	4	17	3.48
2. Business	28	0	0	3	11	13	46	11	39	1	4	3.36
3. Distributive Ed	9	1	11	2	22	2	22	3	33	1	11	3.11
4. Elementary Education	123	2	2	10	8	15	12	37	30	59	48	4.15
5. English	20	0	0	1	5	8	40	3	15	8	40	3.90
6. Foreign Language	14	1	7	1	7	4	29	5	36	3	21	3.67
7. HPER	54	0	0	3	6	16	30	27	50	8	15	3.74
8. Home Economics	37	4	11	6	16	20	54	7	19	0	0	2.81
9. Industrial Education	18	1	6	2	11	9	50	4	22	2	11	3.22
10. LEM	11	0	0	2	18	4	36	4	36	1	9	3.36
11. Math, Comp Science	26	3	12	3	12	8	31	10	39	2	8	3.19
12. Music	38	1	3	2	5	11	29	19	50	5	13	3.66
13. Psychology	4	1	25	0	0	2	50	0	0	1	25	3.00
14. Science	17	0	0	2	12	8	47	6	35	1	6	3.35
15. Social Science	26	1	4	4	15	7	27	12	46	2	8	3.38
16. Special Educ	138	1	1	7	5	22	16	47	34	61	44	4.16
17. Speech	10	0	0	2	20	4	40	3	30	1	10	3.30
18. Speech & Hearing	29	0	0	1	3	11	38	14	48	3	10	3.66
TOTAL	625	17	3	54	9	171	27	220	35	163	26	3.73

Table E2A

Item: 2. The above question dealth with university supervision. In the same frame of reference, how do you feel about the adequacy of the supervision given you by the classroom teacher(s) during:

A. Student Teaching

		Responses										
		Poor		Bel Aver		Average		Good		Excellent		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	1	4	3	11	2	7	8	29	14	50	4.11
2. Business	35	2	6	2	6	5	14	10	29	16	46	4.03
3. Distributive Ed	9	0	0	0	0	0	0	4	44	5	56	4.66
4. Elementary Education	130	2	2	4	3	8	6	34	26	82	63	4.46
5. English	23	1	4	2	9	1	4	6	26	13	57	4.22
6. Foreign Language	15	0	0	1	7	3	20	0	0	11	73	4.40
7. HPER	56	1	2	3	5	7	13	19	34	25	46	4.18
8. Home Economics	44	1	2	4	9	2	5	6	14	31	71	4.41
9. Industrial Education	19	0	0	0	0	3	16	7	37	9	47	4.32
10. LEM	15	0	0	1	7	1	7	7	47	6	40	4.20
11. Math, Comp Science	27	0	0	2	7	2	7	4	15	19	70	4.48
12. Music	47	0	0	4	9	6	13	13	28	24	51	4.21
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	20	0	0	0	0	2	10	4	20	14	70	4.60
15. Social Science	30	2	7	0	0	4	13	10	33	14	47	4.13
16. Special Educ	138	3	2	4	3	20	15	43	31	68	49	4.22
17. Speech	12	0	0	2	17	0	0	4	33	6	50	4.17
18. Speech & Hearing	37	1	3	0	0	4	11	11	30	21	57	4.38
TOTAL	690	14	2	32	5	71	10	193	28	380	55	4.29

Table E2B

Item: B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?

		Responses										
		Poor		Bel Aver		Average		Good		Excellent		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	22	1	5	0	0	8	36	9	41	4	18	3.68
2. Business	27	0	0	0	0	10	37	11	41	6	22	3.85
3. Distributive Ed	9	0	0	2	22	2	22	2	22	3	33	3.67
4. Elementary Education	124	4	3	7	6	19	15	37	30	57	46	4.10
5. English	20	0	0	2	10	5	25	9	45	4	20	3.75
6. Foreign Language	14	1	7	1	7	5	36	2	14	5	36	3.64
7. HPER	52	0	0	3	6	11	21	27	52	11	21	3.88
8. Home Economics	37	1	3	2	5	16	43	12	32	6	16	3.64
9. Industrial Education	18	0	0	1	6	6	33	7	39	4	22	3.78
10. LEM	9	0	0	1	11	5	56	2	22	1	11	3.33
11. Math, Comp Science	25	1	4	3	12	6	24	11	44	4	16	3.66
12. Music	38	1	3	5	13	14	37	16	42	2	5	3.34
13. Psychology	4	1	25	0	0	0	0	2	50	1	25	3.60
14. Science	17	0	0	1	6	8	47	5	29	3	18	3.69
15. Social Science	26	1	4	1	4	13	50	8	31	3	12	3.42
16. Special Educ	139	1	1	3	2	27	19	50	36	58	42	4.16
17. Speech	9	1	11	1	11	1	11	3	33	3	33	3.67
18. Speech & Hearing	27	0	0	1	4	5	19	19	70	2	7	3.81
TOTAL	617	13	2	34	6	161	26	232	38	177	29	3.85

Table E3B

Item: 3. How do you feel about the value of the field experiences, other than student teaching, such as Merge, MEP, Interaction, Alternatives in Education, Help-A-Child, Milton, Crim's PER, IET's 288 Field Experience, etc. in preparing you to be a teacher?

A. I can't respond because I was not involved in any of these special experiences.

B. I consider these experiences to have been: highly valuable, Valuable, Average or so-so, of little value, of no value.

Responses

		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13	0	0	1	8	1	8	6	46	5	39	4.15
2. Business	16	0	0	1	6	4	25	7	44	4	25	3.88
3. Distributive Ed	8	9	9	1	13	1	13	5	63	1	13	3.75
4. Elementary Education	110	0	0	4	4	4	4	32	29	70	64	4.53
5. English	11	0	0	0	0	1	9	4	36	6	55	4.45
6. Foreign Language	9	0	0	0	0	2	22	3	33	4	44	4.22
7. HPER	34	0	0	0	0	8	24	11	32	15	44	4.21
8. Home Economics	13	1	8	2	15	4	31	2	15	4	31	3.46
9. Industrial Education	16	0	0	3	19	2	13	4	25	7	44	3.94
10. LEM	6	1	17	0	0	1	17	2	33	2	33	3.67
11. Math, Comp Science	14	0	0	1	7	1	7	9	64	3	21	4.00
12. Music	14	0	0	1	7	4	29	5	36	4	29	4.86
13. Psychology	3	0	0	0	0	1	33	1	33	1	33	4.00
14. Science	6	0	0	0	0	0	0	5	83	1	17	4.17
15. Social Science	13	0	0	2	15	0	0	7	54	4	31	4.00
16. Special Educ	129	1	1	1	1	4	3	37	29	86	67	4.70
17. Speech	7	0	0	0	0	2	29	2	29	3	43	4.14
18. Speech & Hearing	18	0	0	0	0	1	6	10	56	7	39	4.33
TOTAL	440	3	1	17	4	41	9	152	35	227	52	4.33

Table E3C

Item: C. Approximately how many academic quarters were you involved in one or more of these experiences? (Do not count the student teaching quarter)

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	12	6	50	5	42	1	8	0	0	0	0	1.68
2. Business	14	10	71	3	21	0	0	1	7	0	0	1.43
3. Distributive Ed	8	3	38	4	50	1	13	0	0	0	0	1.75
4. Elementary Education	99	38	38	34	34	16	16	8	8	3	3	2.03
5. English	12	7	58	4	33	1	8	0	0	0	0	1.60
6. Foreign Language	9	4	44	2	22	2	22	0	0	1	11	2.11
7. HPER	30	1	3	10	33	11	37	7	23	1	3	2.90
8. Home Economics	12	6	50	5	42	0	0	0	0	1	8	1.75
9. Industrial Education	16	1	6	5	31	6	38	4	25	0	0	2.81
10. LEM	4	3	75	1	25	0	0	0	0	0	0	1.25
11. Math, Comp Science	15	5	33	5	33	3	20	2	13	0	0	2.13
12. Music	18	11	61	7	39	0	0	0	0	0	0	1.39
13. Psychology	4	1	25	2	50	1	25	0	0	0	0	2.00
14. Science	6	2	33	2	33	2	33	0	0	0	0	2.00
15. Social Science	13	9	69	2	15	1	8	0	0	1	8	1.62
16. Special Educ	116	21	18	22	19	39	34	24	21	10	9	2.83
17. Speech	7	3	43	2	29	2	29	0	0	0	0	1.86
18. Speech & Hearing	20	5	25	10	50	5	25	0	0	0	0	2.00
TOTAL	415	136	33	125	30	91	22	46	11	17	4	2.24

F. Academic and Career Advising at BGSU

There were six items on page 6 of the instrument that were related to gathering "evaluations" regarding academic and career advising at BGSU.

The findings related to these six items are presented in Tables F1 through F6.

A few of the many specific findings housed in these tables are:

1. 40% of the science teachers gave negative evaluations to the quality of advising they received -- likewise did 44% of the math teachers, 38% of the Home Economics teachers, etc (Table F1).

2. 38% of the respondents gave positive ratings to the advice/ guidance received from the Program Advisement Center (Table F2).

3. 78% of the graduates valued the advice/guidance they received from individual professors (Table F3).

4. 50% of the graduates were positive, in an overall sense, regarding the quality of academic advising they received while students at BGSU; only 13% were negative (Table F4).

5. For career advising, 48% were positive, 15% were negative (Table F5).

6. 55% of the respondents gave positive ratings to the Career and Placement Center in helping them find jobs -- 21% gave this office negative ratings (Table F6).

Table F1

Item: 1. How do you feel about the quality of advising from your major area, such as the English, Math, Elementary Education areas?

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	3	10	4	14	13	45	8	28	1	3	3.00
2. Business	34	1	3	5	15	12	35	11	32	5	15	3.41
3. Distributive Ed	9	0	0	1	11	2	22	5	56	1	11	3.67
4. Elementary Education	126	9	7	18	14	45	36	42	33	12	10	3.24
5. English	24	2	8	6	25	5	21	8	33	3	13	3.17
6. Foreign Language	15	3	20	3	20	5	33	4	27	0	0	2.67
7. HPER	57	1	2	7	12	17	30	24	42	8	14	3.64
8. Home Economics	43	5	12	11	26	9	21	14	33	4	9	3.02
9. Industrial Education	19	3	16	2	11	7	37	6	32	1	5	3.00
10. LEM	15	2	13	1	7	4	28	7	47	1	7	3.27
11. Math, Comp Science	27	2	7	10	37	5	19	5	19	5	19	3.04
12. Music	46	2	4	3	7	15	33	20	44	6	13	3.64
13. Psychology	5	0	0	1	20	3	60	1	20	0	0	3.00
14. Science	20	2	10	6	30	7	35	1	5	4	20	2.95
15. Social Science	30	3	10	4	13	9	30	13	43	1	3	3.17
16. Special Educ	140	8	6	23	16	68	49	36	26	5	4	3.05
17. Speech	12	0	0	2	17	3	25	6	50	1	8	3.60
18. Speech & Hearing	36	0	0	1	3	11	31	19	53	5	14	3.78
TOTAL	687	46	7	108	16	240	35	230	34	63	9	3.23

Table F2

Item: 2. Advice and guidance from the Program Advisement Center located on the 3rd floor of the Education Building?

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	28	1	4	4	14	6	21	15	54	2	7	3.46
2. Business	35	1	3	5	14	15	43	12	34	2	6	3.26
3. Distributive Ed	0	0	0	2	22	5	56	1	11	1	11	3.11
4. Elementary Education	122	5	4	17	14	45	37	42	34	13	11	3.34
5. English	23	0	0	9	39	8	35	3	13	3	13	3.00
6. Foreign Language	15	1	7	1	7	6	40	6	40	1	7	3.33
7. HPER	56	1	2	7	13	18	32	24	43	6	11	3.48
8. Home Economics	44	5	11	7	16	18	41	11	25	3	7	3.00
9. Industrial Education	19	1	5	3	16	8	42	6	32	1	5	3.16
10. LEM	14	1	7	0	0	7	50	5	36	1	7	3.36
11. Math, Comp Science	27	0	0	4	15	15	56	7	26	1	4	3.19
12. Music	34	0	0	9	27	22	65	2	6	1	3	2.85
13. Psychology	5	0	0	1	20	3	60	1	20	0	0	3.00
14. Science	19	0	0	4	21	7	37	5	26	3	16	3.87
15. Social Science	28	0	0	3	11	12	43	12	43	1	4	3.39
16. Special Educ	137	3	2	20	15	69	50	36	26	9	7	3.20
17. Speech	12	2	17	0	0	3	25	6	50	1	8	3.33
18. Speech & Hearing	32	1	3	6	19	22	69	2	6	1	3	2.88
TOTAL	659	22	3	102	16	289	44	196	30	50	8	3.23

Table F3

Item: 3. Advice from individual professors you might have sought out?

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1.	Art	28	0	0	0	0	6	21	14	50	8	29	4.07
2.	Business	35	0	0	0	0	6	17	21	60	8	30	4.06
3.	Distributive Ed	9	0	0	0	0	0	0	4	44	5	56	4.66
4.	Elementary Education	128	0	0	3	2	31	24	65	51	29	23	3.94
5.	English	24	0	0	1	4	2	8	12	50	9	38	4.21
6.	Foreign Language	14	0	0	1	7	1	7	9	64	3	21	4.00
7.	HPER	57	0	0	1	2	11	19	22	39	23	40	4.18
8.	Home Economics	43	1	2	1	2	9	21	23	54	9	21	3.88
9.	Industrial Education	19	1	5	1	5	3	16	8	42	6	32	3.89
10.	LEM	15	0	0	0	0	1	7	9	60	5	33	4.27
11.	Math, Comp Science	26	0	0	0	0	8	31	14	54	4	15	3.85
12.	Music	48	0	0	1	2	3	6	31	65	13	27	4.17
13.	Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14.	Science	20	0	0	1	5	7	35	8	40	4	20	3.75
15.	Social Science	30	0	0	1	3	5	17	16	53	8	27	4.03
16.	Special Educ	139	1	1	6	4	26	19	74	53	32	23	3.94
17.	Speech	12	0	0	0	0	3	25	5	42	4	33	4.08
18.	Speech & Hearing	37	1	3	1	3	13	35	17	46	5	14	3.65
	TOTAL	689	4	1	18	3	136	20	355	52	176	26	3.99

Table F4

Item: 4. How do you feel in a general sense about the quality of overall academic advising services that were available to you throughout your years at the University?

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	1	3	12	41	13	45	1	3	3.34
2. Business	35	0	0	5	14	15	43	14	40	1	3	3.31
3. Distributive Ed	9	0	0	1	11	1	11	6	67	1	11	3.78
4. Elementary Education	128	1	2	15	12	44	34	55	43	12	9	3.47
5. English	24	0	0	5	21	8	33	8	33	3	13	3.38
6. Foreign Language	15	1	7	1	7	5	33	6	40	2	13	3.47
7. HPER	58	0	0	3	5	19	33	32	55	4	7	3.64
8. Home Economics	44	2	5	1	2	22	50	15	34	4	9	3.41
9. Industrial Education	18	1	6	3	17	5	28	8	44	1	6	3.28
10. LEM	15	0	0	3	20	4	27	7	47	1	7	3.40
11. Math, Comp Science	27	1	4	3	11	11	41	8	30	4	15	3.41
12. Music	48	1	2	7	15	17	35	21	44	2	4	3.33
13. Psychology	5	0	0	2	40	1	20	1	20	1	20	3.20
14. Science	20	1	5	1	5	11	55	6	30	1	5	3.25
15. Social Science	30	0	0	4	13	9	30	14	47	3	10	3.63
16. Special Educ	139	5	4	18	13	60	43	50	36	6	4	3.24
17. Speech	12	0	0	1	8	1	8	10	83	0	0	3.75
18. Speech & Hearing	37	0	0	3	8	12	32	16	42	6	16	3.68
TOTAL	693	16	2	77	11	257	37	290	42	53	8	3.41

Table F5

Item: 5. How do you feel in a general sense about the quality of overall career advising services that were available to you?

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	4	14	10	35	11	38	2	7	3.24
2. Business	35	2	6	4	11	13	37	15	43	1	3	3.26
3. Distributive Ed	9	0	0	0	0	3	33	5	56	1	11	3.78
4. Elementary Education	126	7	6	11	9	44	35	50	40	14	11	3.42
5. English	24	1	4	5	21	5	21	9	38	4	17	3.42
6. Foreign Language	15	1	7	1	7	6	40	4	27	3	20	3.47
7. HPER	58	1	2	3	5	22	38	27	47	5	9	3.55
8. Home Economics	44	4	9	4	9	17	39	15	34	4	9	3.25
9. Industrial Education	19	0	0	5	26	6	32	6	32	2	11	3.26
10. LEM	15	0	0	1	7	5	33	7	47	2	13	3.67
11. Math, Comp Science	27	0	0	3	11	10	37	10	37	4	15	3.66
12. Music	46	3	7	3	7	21	46	15	33	4	9	3.30
13. Psychology	5	0	0	2	40	1	20	2	40	0	0	3.00
14. Science	20	0	0	0	0	9	45	9	45	2	10	3.65
15. Social Science	30	0	0	5	17	17	57	5	17	3	10	3.20
16. Special Educ	139	4	3	17	12	56	40	42	30	20	14	3.41
17. Speech	12	0	0	1	8	3	25	7	58	1	8	3.67
18. Speech & Hearing	37	1	3	4	11	15	41	15	41	2	5	3.35
TOTAL	690	26	4	73	11	263	38	254	37	74	11	3.40

Table F6

Item: 6. Please rate the services of the Career and Placement Center in helping you find a teaching position.

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	2	7	4	14	8	28	9	31	6	21	3.45
2. Business	35	0	0	4	11	8	23	13	37	10	29	3.83
3. Distributive Ed	8	0	0	2	25	2	25	3	38	1	13	3.38
4. Elementary Education	121	12	10	22	18	37	31	35	29	15	13	3.16
5. English	23	1	4	2	9	6	26	7	31	7	31	3.74
6. Foreign Language	13	1	8	3	23	3	23	1	8	5	39	3.46
7. HPER	58	4	7	9	16	9	16	19	33	17	29	3.62
8. Home Economics	43	6	14	7	16	5	12	15	35	10	23	3.37
9. Industrial Education	19	2	11	2	11	3	16	4	21	8	42	3.74
10. LEM	14	1	7	2	14	3	21	2	14	6	43	3.71
11. Math, Comp Science	27	0	0	5	19	2	7	14	52	6	22	3.78
12. Music	47	2	4	6	13	10	21	15	32	14	30	3.70
13. Psychology	5	0	0	2	40	0	0	2	40	1	20	3.40
14. Science	19	0	0	1	5	5	26	7	37	6	32	3.95
15. Social Science	30	2	7	9	30	6	20	5	17	8	27	3.27
16. Special Educ	137	3	2	14	10	40	29	43	31	37	27	3.71
17. Speech	12	0	0	1	8	4	33	2	17	5	42	3.92
18. Speech & Hearing	34	4	12	8	24	9	27	7	21	6	18	3.09
TOTAL	674	40	6	103	15	160	24	203	30	168	25	3.63

G. Instructional Materials at BGSU

Items related to gathering "evaluations" of the Instructional Media Center, the Curriculum Library, and the Clinical Lab were presented on page 7 of the instrument.

The responses to the items are summarized in 20 tables presented in this section, TablesG1A through G3E.

As before, just brief examples of findings presented in the various tables will be stated.

1. Overall and for the Instructional Media Center, 63% gave positive ratings for the hours of accessibility (Table G1A); 69% positive for workshop facilities (Table G1B); 67% positive for availability of materials (Table G1C); 66% positive for usage regulations (Table G1D); 70% positive for helpfulness of staff (Table G1E); and 78% positive for relation to coursework (Table G1F).

2. For the Curriculum Library, the following percents of positive ratings were given:

a)	Hours of accessibility	83%	Table G2A
b)	Workshop facilities	58%	Table G2B
c)	Various Media, ...	74%	Table G2C
d)	Courses of study, units, ...	68%	Table G2D
e)	Various elem/sec books	79%	Table G2E
f)	Availability of materials	76%	Table G2F
g)	Usage regulations	72%	Table G2G
h)	Helpfulness of staff	79%	Table G2H
i)	Relation to course work	80%	Table G2I

3. The Clinical Lab was established too late for most of these teachers to give evaluations.

[Tables G3A through G3E presents evaluative findings of 34 probably first year teachers who had the opportunity of working in the Clinical Lab. No attempt of summarizing any findings in a narrative manner for these tables will be attempted._7

Table G1A

Item: 1. Please rate the materials and services of the Instructional Media Center (located in the Education Building)
A. Hours of accessibility

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11	0	0	1	9	1	9	8	73	1	9	3.82
2. Business	22	1	5	0	0	8	36	12	55	1	5	3.65
3. Distributive Ed	5	0	0	0	0	1	25	3	75	0	0	3.75
4. Elementary Education	105	1	1	9	9	26	25	63	60	6	6	3.61
5. English	21	0	0	2	10	5	24	11	52	3	14	3.71
6. Foreign Language	9	0	0	1	11	1	11	7	78	0	0	3.67
7. HPER	39	0	0	1	3	11	28	26	67	1	3	3.69
8. Home Economics	36	0	0	5	14	12	33	18	50	1	3	3.42
9. Industrial Education	10	0	0	1	10	1	10	7	70	1	10	3.80
10. LEM	15	0	0	0	0	4	27	8	54	3	20	3.93
11. Math, Comp Science	9	0	0	0	0	2	22	6	67	1	11	3.89
12. Music	12	0	0	1	8	4	33	7	58	0	0	3.60
13. Psychology	2	0	0	0	0	1	50	1	50	0	0	3.60
14. Science	8	0	0	0	0	3	38	5	63	0	0	3.63
15. Social Science	17	0	0	1	6	7	41	8	47	1	6	3.63
16. Special Educ	130	1	1	9	7	37	29	76	59	7	5	3.61
17. Speech	9	0	0	0	0	6	67	3	33	0	0	3.33
18. Speech & Hearing	20	0	0	1	5	10	50	9	45	0	0	3.40
TOTAL	479	3	1	32	7	140	29	278	58	26	5	3.61

Table G1B

Item: B. Workshop facilities where you could prepare new instructional materials or copy existing materials.

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11	0	0	0	0	4	36	6	55	1	9	3.73
2. Business	21	0	0	1	5	4	19	16	76	0	0	3.72
3. Distributive Ed	4	0	0	0	0	2	50	2	50	0	0	3.60
4. Elementary Education	105	0	0	4	4	21	20	67	64	13	12	3.85
5. English	21	1	5	1	5	5	24	13	62	1	5	3.67
6. Foreign Language	9	0	0	0	0	2	22	5	56	2	22	4.00
7. HPER	39	0	0	2	5	5	13	29	74	3	8	3.85
8. Home Economics	35	0	0	4	11	10	29	14	40	7	20	3.69
9. Industrial Education	9	0	0	0	0	1	11	7	78	1	11	4.00
10. LEM	15	0	0	0	0	5	33	6	40	4	27	3.93
11. Math, Comp Science	9	0	0	1	11	1	11	7	78	0	0	3.67
12. Music	12	0	0	1	8	2	17	8	67	1	8	3.75
13. Psychology	2	0	0	0	0	1	50	1	50	0	0	3.60
14. Science	8	0	0	0	0	2	25	6	75	0	0	3.75
15. Social Science	17	0	0	1	6	4	24	10	59	2	12	3.76
16. Special Educ	127	0	0	2	5	36	28	73	58	12	9	3.72
17. Speech	9	0	0	0	0	4	44	5	56	0	0	3.66
18. Speech & Hearing	20	1	5	2	10	10	50	6	30	1	5	3.20
TOTAL	473	2	1	23	5	119	25	281	59	48	10	3.74

Table G1C

Item: C. Availability of materials

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11			0	0	4	36	6	55	1	9	3.73
2. Business	21			1	5	5	24	13	62	2	10	3.76
3. Distributive Ed	4			0	0	1	25	2	50	1	25	4.00
4. Elementary Education	104			3	3	24	23	65	63	12	12	3.83
5. English	21			0	0	7	33	11	52	3	14	3.81
6. Foreign Language	9			0	0	1	11	7	78	1	11	4.00
7. HPER	39			0	0	11	28	24	62	4	10	3.82
8. Home Economics	35			1	3	16	46	11	31	7	20	3.69
9. Industrial Education	9			0	0	4	44	4	44	1	11	3.67
10. LEM	14			0	0	2	14	9	64	3	21	4.07
11. Math, Comp Science	9			0	0	3	33	6	67	0	0	3.67
12. Music	12			0	0	5	42	7	58	0	0	3.68
13. Psychology	2			0	0	1	50	1	50	0	0	3.60
14. Science	8			0	0	3	38	5	63	0	0	3.63
15. Social Science	17			0	0	2	12	13	77	2	12	4.00
16. Special Educ	130			2	2	42	32	70	54	16	12	3.77
17. Speech	9			0	0	4	44	5	56	0	0	3.66
18. Speech & Hearing	20			0	0	12	60	8	40	0	0	3.40
TOTAL	474			7	2	147	31	267	56	53	11	3.77

Table G1D

Item: D. Usage regulations

Responses

		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11			0	0	5	46	5	46	1	9	3.64
2. Business	21			1	5	9	43	9	43	2	10	3.67
3. Distributive Ed	4			0	0	0	0	4	100	0	0	4.00
4. Elementary Education	103			2	2	28	27	61	59	12	12	3.80
5. English	21			2	10	9	43	7	33	3	14	3.62
6. Foreign Language	9			0	0	1	11	7	78	1	11	4.00
7. HPER	39			0	0	5	13	31	80	3	8	3.95
8. Home Economics	36			3	8	14	39	15	42	4	11	3.66
9. Industrial Education	9			1	11	2	22	5	56	1	11	3.67
10. LEM	15			0	0	3	20	9	60	3	20	4.00
11. Math, Comp Science	9			0	0	3	33	6	67	0	0	3.67
12. Music	12			1	8	2	17	9	75	0	0	3.67
13. Psychology	2			0	0	0	0	2	100	0	0	4.00
14. Science	8			0	0	3	38	4	50	1	13	3.75
15. Social Science	16			1	6	7	44	7	44	1	6	3.60
16. Special Educ	129			5	4	42	33	69	54	13	10	3.70
17. Speech	9			0	0	4	44	5	56	0	0	3.66
18. Speech & Hearing	20			0	0	9	45	11	55	0	0	3.65
TOTAL	473			16	3	146	31	266	56	45	10	3.72

Table G1E

Item: E. Helpfulness of staff

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11	0	0	0	0	4	36	6	55	1	9	3.73
2. Business	21	0	0	1	5	7	33	8	38	5	24	3.81
3. Distributive Ed	4	0	0	0	0	1	25	2	50	1	25	4.00
4. Elementary Education	103	0	0	2	2	21	20	58	56	22	21	3.97
5. English	21	0	0	1	5	10	48	7	33	3	14	3.67
6. Foreign Language	9	1	11	0	0	0	0	4	44	4	44	4.11
7. HPER	39	0	0	0	0	5	13	26	67	8	21	4.08
8. Home Economics	36	0	0	2	6	12	33	15	42	7	19	3.75
9. Industrial Education	10	1	10	0	0	2	20	5	50	2	20	3.70
10. LEM	15	0	0	2	13	3	20	5	33	5	33	3.87
11. Math, Comp Science	9	0	0	0	0	1	11	6	67	2	22	4.11
12. Music	12	0	0	1	8	2	17	7	58	2	17	3.83
13. Psychology	2	0	0	0	0	0	0	2	100	0	0	4.00
14. Science	8	0	0	0	0	2	25	4	50	2	25	4.00
15. Social Science	17	0	0	0	0	3	18	11	65	3	18	4.00
16. Special Educ	130	1	1	9	7	42	33	63	49	15	12	3.63
17. Speech	9	0	0	1	11	3	33	4	44	1	11	3.66
18. Speech & Hearing	20	0	0	1	5	4	20	14	70	1	5	3.75
TOTAL	476	3	1	20	4	122	26	247	52	84	18	3.82

Table G1F

Item: F. Relation to coursework

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	11	0	0	0	0	4	36	6	55	1	9	3.73
2. Business	21	0	0	0	0	2	10	17	81	2	10	4.00
3. Distributive Ed	4	0	0	0	0	2	50	1	25	1	25	3.75
4. Elementary Education	104	0	0	1	1	16	15	59	57	28	27	4.10
5. English	21	0	0	1	5	8	31	8	38	4	19	3.71
6. Foreign Language	9	0	0	0	0	1	11	7	78	1	11	4.00
7. HPER	39	1	3	0	0	4	10	29	74	5	13	3.95
8. Home Economics	36	0	0	3	8	10	28	16	44	7	19	3.75
9. Industrial Education	10	0	0	0	0	3	30	6	60	1	10	3.80
10. LEM	15	0	0	0	0	3	20	5	33	7	47	4.27
11. Math, Comp Science	9	0	0	0	0	1	11	6	67	2	22	4.11
12. Music	12	0	0	0	0	1	8	9	75	2	17	4.08
13. Psychology	2	0	0	0	0	0	0	2	100	0	0	4.00
14. Science	8	0	0	0	0	2	25	6	75	0	0	3.75
15. Social Science	17	0	0	1	6	3	18	10	59	3	18	3.88
16. Special Educ	129	0	0	1	1	25	19	72	56	31	24	4.03
17. Speech	9	0	0	0	0	4	44	5	56	0	0	3.66
18. Speech & Hearing	20	0	0	2	10	7	35	10	50	1	5	3.60
TOTAL	476	1	0	9	2	96	20	274	58	96	20	3.96

Table G2A

Item: 2. Please rate the materials and services of the Curriculum Library (located in the Library).
A. Hours of accessibility

Responses

		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13			0	0	2	15	9	69	2	15	4.00
2. Business	24			0	0	3	13	17	71	4	17	4.04
3. Distributive Ed	5			0	0	0	0	3	60	2	40	4.40
4. Elementary Education	121			2	2	18	15	72	60	29	24	4.06
5. English	19			1	5	3	16	13	69	2	11	3.84
6. Foreign Language	9			0	0	3	33	5	56	1	11	3.78
7. HPER	27			1	4	3	11	20	74	3	11	3.93
8. Home Economics	38			1	3	4	11	20	53	13	34	4.18
9. Industrial Education	10			0	0	1	10	5	50	4	40	4.30
10. LEM	10			1	10	1	10	2	20	6	60	4.30
11. Math, Comp Science	16			0	0	2	13	8	50	6	38	4.25
12. Music	17			1	6	6	35	9	53	1	6	3.69
13. Psychology	5			0	0	0	0	5	100	0	0	4.00
14. Science	9			0	0	3	33	4	44	2	22	3.89
15. Social Science	25			1	4	6	24	14	56	4	16	3.84
16. Special Educ	127			2	2	15	12	79	62	31	24	4.09
17. Speech	8			0	0	3	38	4	50	1	13	3.75
18. Speech & Hearing	21			1	5	4	19	13	62	3	14	3.86
TOTAL	504			11	2	77	15	302	60	114	23	4.03

Table G2B

Item: B. Workshop facilities where you could prepare new instructional materials or copy existing materials

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	12	0	0	0	0	3	25	8	67	1	8	3.83
2. Business	23	0	0	1	4	11	48	9	39	2	9	3.62
3. Distributive Ed	5	0	0	0	0	1	20	4	80	0	0	3.80
4. Elementary Education	113	1	1	8	7	47	42	46	41	11	10	3.61
5. English	17	0	0	2	12	3	18	12	71	0	0	3.69
6. Foreign Language	9	0	0	0	0	2	22	5	56	2	22	4.00
7. HPER	27	0	0	0	0	5	19	21	78	1	4	3.85
8. Home Economics	37	0	0	2	5	11	30	18	49	6	16	3.76
9. Industrial Education	10	0	0	0	0	6	60	3	30	1	10	3.60
10. LEM	10	0	0	1	10	3	30	3	30	3	30	3.80
11. Math, Comp Science	14	1	7	2	14	4	29	6	43	1	7	3.29
12. Music	17	0	0	3	18	4	24	8	47	2	12	3.63
13. Psychology	4	0	0	0	0	2	50	2	50	0	0	3.60
14. Science	9	0	0	0	0	3	33	5	56	1	11	3.78
15. Social Science	23	0	0	2	9	6	26	13	57	2	9	3.65
16. Special Educ	123	1	1	11	9	42	34	53	43	16	13	3.69
17. Speech	8	0	0	1	13	2	25	5	63	0	0	3.60
18. Speech & Hearing	20	0	0	1	5	10	50	8	40	1	5	3.45
TOTAL	481	3	1	34	7	165	34	229	48	50	10	3.60

Table G2C

Item: C. Various media, such as maps, globes, charts, pictures, films, video/audio tapes, recordings, etc.

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13			0	0	5	39	4	31	4	31	3.92
2. Business	23			1	4	6	26	12	52	4	17	3.83
3. Distributive Ed	5			0	0	2	40	2	40	1	20	3.80
4. Elementary Education	119			3	3	23	19	62	52	31	26	4.02
5. English	17			1	6	3	18	8	47	5	29	4.00
6. Foreign Language	9			0	0	2	22	5	56	2	22	4.00
7. HPER	27			1	4	3	11	17	63	6	22	4.04
8. Home Economics	37			3	8	9	24	19	51	6	16	3.76
9. Industrial Education	10			0	0	2	20	5	50	3	30	4.10
10. LEM	10			0	0	3	30	4	40	3	30	4.00
11. Math, Comp Science	15			1	7	5	33	5	33	4	27	3.80
12. Music	16			0	0	7	44	9	56	0	0	3.56
13. Psychology	5			1	20	1	20	3	60	0	0	3.40
14. Science	9			1	11	1	11	6	67	1	11	3.78
15. Social Science	25			0	0	10	40	13	52	2	8	3.68
16. Special Educ	127			0	0	21	17	68	54	38	30	4.13
17. Speech	8			0	0	3	38	3	38	2	25	3.88
18. Speech & Hearing	21			0	0	8	38	10	48	3	14	3.76
TOTAL	496			12	2	114	23	255	51	115	23	3.95

Table G2D

Item: D. Examples of courses of study and teaching units

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13			1	8	4	31	7	54	1	8	3.62
2. Business	24			3	13	6	25	12	50	3	13	3.63
3. Distributive Ed	5			0	0	2	40	3	60	0	0	3.60
4. Elementary Education	115			4	4	27	24	60	52	24	21	3.90
5. English	19			2	11	3	16	8	42	6	32	3.94
6. Foreign Language	8			0	0	2	25	5	63	1	13	3.88
7. HPER	26			1	4	4	15	18	69	3	12	3.88
8. Home Economics	36			3	8	10	28	19	53	4	11	3.67
9. Industrial Education	10			0	0	4	40	5	50	1	10	3.70
10. LEM	10			0	0	2	20	3	30	5	50	4.30
11. Math, Comp Science	16			1	6	2	13	10	63	3	19	3.94
12. Music	16			0	0	8	50	8	50	0	0	3.60
13. Psychology	5			1	20	0	0	3	60	1	20	3.80
14. Science	9			0	0	4	44	3	33	2	22	3.78
15. Social Science	25			2	8	7	28	14	56	2	8	3.64
16. Special Educ	126			4	3	34	27	58	46	30	24	3.90
17. Speech	8			3	38	1	13	4	50	0	0	3.13
18. Speech & Hearing	21			2	10	11	52	7	33	1	5	3.33
TOTAL	492			27	6	131	27	247	50	87	18	3.80

Table G2E

Item: E. Examples of books commonly used in the elementary and secondary schools

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13	0	0	0	0	4	31	7	54	2	15	3.85
2. Business	24	0	0	0	0	5	21	14	58	5	21	4.00
3. Distributive Ed	5	0	0	0	0	1	20	4	80	0	0	3.80
4. Elementary Education	118	0	0	0	0	14	12	57	48	47	40	4.28
5. English	19	0	0	3	16	1	5	8	42	7	37	4.00
6. Foreign Language	9	0	0	0	0	2	22	5	56	2	22	4.00
7. HPER	27	0	0	1	4	4	15	18	67	4	15	3.93
8. Home Economics	35	1	3	3	9	10	29	15	43	6	17	3.63
9. Industrial Education	10	0	0	0	0	3	30	6	60	1	10	3.80
10. LEM	10	0	0	0	0	1	10	3	30	6	60	4.50
11. Math, Comp Science	16	0	0	2	13	3	19	5	31	6	38	3.94
12. Music	17	0	0	1	6	6	35	8	47	2	12	3.65
13. Psychology	5	0	0	1	20	1	20	2	40	1	20	3.60
14. Science	9	0	0	0	0	3	33	3	33	3	33	4.00
15. Social Science	24	0	0	1	4	4	17	16	67	3	13	3.88
16. Special Educ	127	0	0	2	2	15	12	61	48	49	39	4.24
17. Speech	8	0	0	1	13	3	38	1	13	3	38	3.75
18. Speech & Hearing	21	0	0	1	5	7	33	11	52	2	10	3.67
TOTAL	497	1	0	16	3	87	18	244	49	149	30	4.05

Table G2F

Item: F. Availability of materials

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13			0	0	3	23	7	54	3	23	4.00
2. Business	24			0	0	8	33	11	46	5	21	3.88
3. Distributive Ed	5			0	0	1	20	4	80	0	0	3.80
4. Elementary Education	120			2	2	18	15	67	56	33	28	4.09
5. English	19			1	5	2	11	8	42	8	42	4.21
6. Foreign Language	9			0	0	1	11	5	56	3	33	4.22
7. HPER	27			0	0	7	26	19	70	1	4	3.78
8. Home Economics	38			3	8	10	26	16	42	9	24	3.82
9. Industrial Education	10			0	0	3	30	6	60	1	10	3.80
10. LEM	10			1	10	2	20	2	20	5	50	4.10
11. Math, Comp Science	16			0	0	2	13	8	50	6	38	4.25
12. Music	17			2	12	7	41	6	35	2	12	3.47
13. Psychology	5			0	0	1	20	4	80	0	0	3.80
14. Science	9			0	0	3	33	4	44	2	22	3.89
15. Social Science	25			1	4	4	16	16	64	4	16	3.92
16. Special Educ	127			3	2	25	20	53	42	46	36	4.12
17. Speech	8			0	0	2	25	5	63	1	13	3.88
18. Speech & Hearing	21			1	5	7	33	11	53	2	10	3.67
TOTAL	503			14	3	106	21	252	50	131	26	3.99

Table G2G

Item: G. Usage regulations

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13			1	8	3	23	6	62	1	8	3.69
2. Business	24			0	0	7	29	12	50	5	21	3.92
3. Distributive Ed	5			0	0	1	20	4	80	0	0	3.80
4. Elementary Education	120			4	3	20	17	78	65	18	15	3.92
5. English	18			1	6	4	22	9	50	4	22	3.89
6. Foreign Language	9			0	0	1	11	6	67	2	22	4.11
7. HPER	27			1	4	6	22	19	70	1	4	3.74
8. Home Economics	38			2	5	9	24	22	58	5	13	3.79
9. Industrial Education	10			1	10	3	30	3	30	3	30	3.80
10. LEM	10			0	0	2	20	3	30	5	50	4.30
11. Math, Comp Science	16			1	6	1	6	11	69	3	19	4.00
12. Music	17			3	18	4	24	9	53	1	6	3.47
13. Psychology	5			0	0	1	20	3	60	1	20	4.00
14. Science	9			0	0	4	44	4	44	1	11	3.67
15. Social Science	24			1	4	9	38	13	54	1	4	3.68
16. Special Educ	126			5	4	31	25	62	49	28	22	3.90
17. Speech	8			0	0	4	50	3	38	1	13	3.63
18. Speech & Hearing	21			2	10	5	24	12	57	2	10	3.67
TOTAL	500			22	4	115	23	281	56	82	16	3.85

Table G2H

Item: H. Helpfulness of staff

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13	0	0	0	0	4	31	4	31	5	39	4.08
2. Business	24	0	0	1	4	7	29	10	42	6	25	3.88
3. Distributive Ed	5	0	0	1	20	1	20	2	40	1	20	3.60
4. Elementary Education	118	0	0	3	3	16	14	52	44	47	40	4.21
5. English	18	0	0	0	0	2	11	10	56	6	33	4.22
6. Foreign Language	9	0	0	0	0	1	11	3	33	5	56	4.44
7. HPER	27	1	4	0	0	3	11	20	74	3	11	3.89
8. Home Economics	38	0	0	0	0	10	26	20	53	8	21	3.95
9. Industrial Education	10	1	10	0	0	3	30	3	30	3	30	3.70
10. LEM	10	0	0	0	0	3	30	2	20	5	50	4.20
11. Math, Comp Science	16	0	0	0	0	3	19	10	63	3	19	4.00
12. Music	17	0	0	3	18	8	47	6	35	0	0	3.18
13. Psychology	5	0	0	0	0	1	20	4	80	0	0	3.80
14. Science	9	0	0	0	0	4	44	3	33	2	22	3.78
15. Social Science	25	0	0	0	0	9	36	13	52	3	12	3.76
16. Special Educ	127	0	0	1	1	14	11	63	50	49	39	4.26
17. Speech	8	0	0	1	13	2	25	2	25	3	38	3.88
18. Speech & Hearing	21	0	0	1	5	3	14	13	62	4	19	3.95
TOTAL	500	2	0	11	2	94	19	240	48	153	31	4.06

Table G2I

Item: I. Relation to course work

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	13	0	0	1	8	2	15	7	54	3	23	3.92
2. Business	24	1	4	0	0	5	21	11	46	7	29	3.96
3. Distributive Ed	5	0	0	0	0	0	0	5	100	0	0	4.00
4. Elementary Education	118	2	2	0	0	12	10	66	56	38	32	4.17
5. English	18	0	0	1	6	3	17	8	44	6	33	4.06
6. Foreign Language	9	0	0	0	0	0	0	7	78	2	22	4.22
7. HPER	27	0	0	0	0	5	19	19	70	3	11	3.93
8. Home Economics	38	0	0	1	3	10	26	20	53	7	18	3.87
9. Industrial Education	10	0	0	1	10	4	40	3	30	2	20	3.60
10. LEM	10	0	0	0	0	1	10	4	40	5	50	4.40
11. Math, Comp Science	16	0	0	1	6	5	31	8	50	2	13	3.69
12. Music	17	0	0	0	0	6	35	7	41	4	24	3.88
13. Psychology	5	2	40	0	0	0	0	3	60	0	0	2.80
14. Science	9	0	0	0	0	4	44	3	33	2	22	3.78
15. Social Science	25	0	0	0	0	2	8	17	68	6	24	4.16
16. Special Educ	127	1	1	0	0	22	17	50	39	54	43	4.23
17. Speech	8	0	0	0	0	1	13	6	75	1	13	4.00
18. Speech & Hearing	21	0	0	0	0	10	48	10	48	1	5	3.67
TOTAL	500	6	1	5	1	92	18	254	51	143	29	4.05

Table G3A

Item: 3. Please rate the materials and services of the Clinical Lab (located on the second floor of the Education Builing and established during the 1978-79 academic year).

A. Hours of accessibility

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	1			0	0	0	0	1	100	0	0	4.00
2. Business	4			0	0	1	25	3	75	0	0	3.75
3. Distributive Ed	0			0	0	0	0	0	0	0	0	0
4. Elementary Education	8			0	0	4	50	3	38	1	13	3.63
5. English	2			0	0	1	50	1	50	0	0	3.50
6. Foreign Language	1			0	0	0	0	1	100	0	0	4.00
7. HPER	4			0	0	0	0	3	75	1	25	4.25
8. Home Economics	0			0	0	0	0	0	0	0	0	0
9. Industrial Education	1			0	0	0	0	0	0	1	100	5.00
10. LEM	0			0	0	0	0	0	0	0	0	0
11. Math, Comp Science	0			0	0	0	0	0	0	0	0	0
12. Music	0			0	0	0	0	0	0	0	0	0
13. Psychology	1			0	0	0	0	1	100	0	0	4.00
14. Science	1			1	100	0	0	0	0	0	0	2.00
15. Social Science	0			0	0	0	0	0	0	0	0	0
16. Special Educ	11			1	9	5	46	5	46	0	0	3.36
17. Speech	0			0	0	0	0	0	0	0	0	0
18. Speech & Hearing	0			0	0	0	0	0	0	0	0	0
TOTAL	34			2	6	11	32	18	53	3	9	3.65

Table G3B

Item: B. Various media and materials

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	1					0	0	1	100	0	0	4.00
2. Business	4					0	0	4	100	0	0	4.00
3. Distributive Ed	0											
4. Elementary Education	8					2	25	5	63	1	13	3.88
5. English	2					1	50	1	50	0	0	3.50
6. Foreign Language	1					0	0	0	0	1	100	5.00
7. HPER	4					1	25	2	50	1	25	4.00
8. Home Economics	0											
9. Industrial Education	1					0	0	0	0	1	100	5.00
10. LEM	0											
11. Math, Comp Science	0											
12. Music	0											
13. Psychology	1					0	0	1	100	0	0	4.00
14. Science	1					0	0	1	100	0	0	4.00
15. Social Science	0											
16. Special Educ	11					3	27	7	64	1	9	3.82
17. Speech	0											
18. Speech & Hearing	0											
TOTAL	34					7	21	22	65	5	15	3.94

Table G3C

Item: C. Helpfulness of staff

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	1			0	0	0	0	1	100	0	0	4.00
2. Business	4			0	0	2	50	2	50	0	0	3.50
3. Distributive Ed	0			0	0	0	0	0	0	0	0	0
4. Elementary Education	8			0	0	1	13	5	63	2	25	4.13
5. English	2			1	50	0	0	1	50	0	0	3.00
6. Foreign Language	1			0	0	0	0	0	0	1	100	5.00
7. HPER	4			0	0	1	25	3	75	0	0	3.75
8. Home Economics	0			0	0	0	0	0	0	0	0	0
9. Industrial Education	1			0	0	0	0	0	0	1	100	5.00
10. LEM	0			0	0	0	0	0	0	0	0	0
11. Math, Comp Science	0			0	0	0	0	0	0	0	0	0
12. Music	0			0	0	0	0	0	0	0	0	0
13. Psychology	1			0	0	0	0	1	100	0	0	4.00
14. Science	1			0	0	0	0	1	100	0	0	4.00
15. Social Science	0			0	0	0	0	0	0	0	0	0
16. Special Educ	11			1	9	5	46	2	18	3	27	3.64
17. Speech	0			0	0	0	0	0	0	0	0	0
18. Speech & Hearing	0			0	0	0	0	0	0	0	0	0
TOTAL	34			2	6	9	27	16	47	7	21	3.82

Table G3D

Item: D. Availability of materials

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	1	0	0	0	0	0	0	1	100	0	0	4.00
2. Business	4	0	0	0	0	1	25	3	75	0	0	3.75
3. Distributive Ed	0	0	0	0	0	0	0	0	0	0	0	0
4. Elementary Education	8	0	0	0	0	2	25	5	63	1	13	3.88
5. English	2	0	0	1	50	0	0	1	50	0	0	3.00
6. Foreign Language	1	0	0	0	0	0	0	1	100	0	0	4.00
7. HPER	4	0	0	0	0	1	25	2	50	1	25	4.00
8. Home Economics	0	0	0	0	0	0	0	0	0	0	0	0
9. Industrial Education	1	0	0	0	0	0	0	1	100	0	0	4.00
10. LEM	0	0	0	0	0	0	0	0	0	0	0	0
11. Math, Comp Science	0	0	0	0	0	0	0	0	0	0	0	0
12. Music	0	0	0	0	0	0	0	0	0	0	0	0
13. Psychology	1	0	0	0	0	0	0	1	100	0	0	4.00
14. Science	1	1	100	0	0	0	0	0	0	0	0	1.00
15. Social Science	0	0	0	0	0	0	0	0	0	0	0	0
16. Special Educ	11	0	0	0	0	4	36	7	64	0	0	3.64
17. Speech	0	0	0	0	0	0	0	0	0	0	0	0
18. Speech & Hearing	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	34	1	3	1	3	8	24	22	65	2	6	3.68

Table G3E

Item: E. Relation to course work

		Responses										
		--		-		±		+		++		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	1					0	0	1	100	0	0	4.00
2. Business	4					0	0	2	50	2	50	4.50
3. Distributive Ed	0					0	0	0	0	0	0	0
4. Elementary Education	8					1	13	4	50	3	38	4.25
5. English	2					1	50	1	50	0	0	3.50
6. Foreign Language	1					0	0	0	0	1	100	5.00
7. HPER	4					1	25	2	50	1	25	4.00
8. Home Economics	0					0	0	0	0	0	0	0
9. Industrial Education	1					0	0	1	100	0	0	4.00
10. LEM	0					0	0	0	0	0	0	0
11. Math, Comp Science	0					0	0	0	0	0	0	0
12. Music	0					0	0	0	0	0	0	0
13. Psychology	1					1	100	0	0	0	0	3.00
14. Science	1					0	0	1	100	0	0	4.00
15. Social Science	0					0	0	0	0	0	0	0
16. Special Educ	11					2	18	7	64	2	18	4.00
17. Speech	0					0	0	0	0	0	0	0
18. Speech & Hearing	0					0	0	0	0	0	0	0
TOTAL	34					6	18	19	56	9	27	4.09

H. General Reactions

A. Attitudes

On page 8 of the instrument were presented 5 strongly agree to strongly disagree items which permitted the teachers to give indications of their attitudes toward teaching, the pupils, etc.

These "attitudes" are summarized by Tables HA1 through HA5.

Examples of findings from these tables are:

1. Overall, 91% of the teachers stated that they "loved to teach" -- 22% of the home economics teachers did not reply affirmatively to this item (Table HA1).

2. 27% would now question the choice of a teaching career, if they were to start college again -- 73% would still choose teaching as a career (Table HA2).

3. 93% of the teachers felt successful and competent in their present positions (Table HA3).

4. 96% of the teachers reported that they really enjoyed working with their pupils (Table HA4).

5. 24% (164) probably would not continue to teach if they could find other suitable jobs; 77% (521) would continue to teach regardless of the availability of other similar paying jobs (Table HA5).

Table HA1

Item: A. Your attitudes
1. I love to teach

		Responses										
		SD		D		?		A		SA		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	1	3	0	0	17	59	11	38	4.31
2. Business	35	1	3	0	0	3	9	20	57	11	31	4.14
3. Distributive Ed	9	0	0	0	0	1	11	5	56	3	33	4.22
4. Elementary Education	130	1	1	0	0	7	5	51	39	71	55	4.47
5. English	24	0	0	2	8	2	8	14	58	6	25	4.00
6. Foreign Language	15	0	0	1	7	2	13	7	47	5	33	4.07
7. HPER	59	0	0	2	3	3	5	37	63	17	29	4.17
8. Home Economics	44	1	2	4	9	7	16	20	46	12	27	3.86
9. Industrial Education	19	1	5	0	0	3	16	7	37	8	42	4.11
10. LEM	15	0	0	0	0	0	0	11	73	4	27	4.27
11. Math, Comp Science	27	0	0	0	0	2	7	14	52	11	41	4.33
12. Music	46	1	2	1	2	2	4	29	63	13	28	4.13
13. Psychology	4	0	0	0	0	0	0	1	25	3	75	4.75
14. Science	20	0	0	0	0	1	5	12	60	7	35	4.30
15. Social Science	30	0	0	0	0	3	10	18	60	9	30	4.20
16. Special Educ	140	0	0	2	1	4	3	58	41	76	54	4.49
17. Speech	11	0	0	0	0	1	9	1	9	9	82	4.73
18. Speech & Hearing	37	0	0	2	5	2	5	16	43	17	46	4.30
TOTAL	694	5	1	15	2	43	6	338	49	293	42	4.30

Table HA2

Item: 2. If I could plan my career again, I would choose teaching.

		Responses										
		SD		D		?		A		SA		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	5	17	5	17	12	41	7	24	3.72
2. Business	35	1	3	6	17	5	14	16	46	7	20	3.63
3. Distributive Ed	9	0	0	3	33	1	11	1	11	4	44	3.67
4. Elementary Education	129	3	2	6	5	12	9	47	36	61	47	4.22
5. English	24	2	8	4	16	2	8	11	46	5	21	3.54
6. Foreign Language	14	0	0	2	14	1	7	7	50	4	29	3.93
7. HPER	59	1	2	10	17	8	14	27	46	13	22	3.69
8. Home Economics	43	7	16	9	21	4	9	15	35	8	19	3.19
9. Industrial Education	19	1	5	1	5	4	21	9	47	4	21	3.74
10. LEM	15	0	0	2	13	2	13	8	53	3	20	3.80
11. Math, Comp Science	27	1	4	4	15	6	22	6	22	10	37	3.74
12. Music	46	0	0	5	11	11	24	20	44	10	22	3.76
13. Psychology	4	0	0	0	0	1	25	2	50	1	25	4.00
14. Science	20	0	0	3	15	3	15	10	50	4	20	3.75
15. Social Science	30	0	0	2	7	3	10	17	57	8	27	4.03
16. Special Educ	139	1	1	10	7	19	14	45	32	64	46	4.16
17. Speech	11	0	0	0	0	2	18	3	27	6	55	4.36
18. Speech & Hearing	37	1	3	5	14	3	8	18	49	10	27	3.84
TOTAL	690	18	3	77	11	92	13	274	40	229	33	3.90

Table HA3

Item: 3. I feel successful and competent in my present position.

		Responses										
		SD		D		?		A		SA		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	1	3	0	0	18	62	10	35	4.26
2. Business	35	0	0	1	3	4	11	20	57	10	29	4.11
3. Distributive Ed	9	0	0	0	0	0	0	3	33	6	67	4.67
4. Elementary Education	130	1	1	0	0	6	5	61	47	62	48	4.41
5. English	24	0	0	2	8	0	0	12	50	10	42	4.25
6. Foreign Language	15	0	0	1	7	1	7	7	47	6	40	4.20
7. HPER	59	0	0	1	2	4	7	27	46	27	46	4.36
8. Home Economics	44	0	0	1	2	6	14	25	57	12	27	4.09
9. Industrial Education	19	0	0	0	0	2	11	8	42	9	47	4.37
10. LEM	15	1	7	0	0	0	0	8	53	6	40	4.20
11. Math, Comp Science	26	0	0	1	4	1	4	10	39	14	54	4.42
12. Music	48	0	0	4	8	1	2	27	56	16	33	4.15
13. Psychology	4	0	0	0	0	0	0	2	50	2	50	4.50
14. Science	20	0	0	1	5	0	0	9	45	10	50	4.40
15. Social Science	30	0	0	1	3	4	13	16	53	9	30	4.10
16. Special Educ	139	1	1	2	1	2	1	58	42	76	55	4.48
17. Speech	11	0	0	0	0	1	9	2	18	8	73	4.64
18. Speech & Hearing	37	0	0	0	0	0	0	21	57	16	43	4.43
TOTAL	694	3	0	16	2	32	5	334	48	309	45	4.34

Table HA4

Item: 4. I really enjoy working with my students.

Responses

		SD		D		?		A		SA		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	29	0	0	0	0	1	3	14	48	14	48	4.45
2. Business	35	0	0	1	3	2	6	15	43	17	49	4.37
3. Distributive Ed	9	0	0	0	0	0	0	4	44	5	56	4.56
4. Elementary Education	129	0	0	1	1	4	3	47	36	77	60	4.65
5. English	24	0	0	0	0	2	8	11	46	11	46	3.38
6. Foreign Language	15	0	0	0	0	1	7	4	27	10	67	4.60
7. HPER	59	0	0	1	2	2	3	29	49	27	46	4.39
8. Home Economics	44	0	0	1	2	2	5	21	48	20	46	4.36
9. Industrial Education	19	1	5	0	0	0	0	13	68	5	26	4.11
10. LEM	15	0	0	0	0	0	0	7	47	8	53	4.63
11. Math, Comp Science	27	0	0	1	4	0	0	11	41	15	56	4.48
12. Music	47	0	0	1	2	3	6	25	53	18	38	4.28
13. Psychology	4	0	0	0	0	0	0	2	50	2	50	4.50
14. Science	20	0	0	0	0	0	0	8	40	12	60	4.60
15. Social Science	30	0	0	0	0	2	7	13	43	15	50	4.43
16. Special Educ	139	0	0	2	1	1	1	45	32	91	66	4.62
17. Speech	11	0	0	0	0	0	0	2	18	9	82	4.82
18. Speech & Hearing	37	0	0	0	0	0	0	17	46	20	54	4.54
TOTAL	693	1	0	8	1	20	3	288	42	376	54	4.49

Table HA5

Item: 5. If I could earn as much money in another occupation, I would still continue to teach.

		Responses										
		SD		D		?		A		SA		
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	27	0	0	2	7	10	37	5	19	10	37	3.85
2. Business	34	1	3	4	12	5	15	15	44	9	27	3.79
3. Distributive Ed	9	0	0	2	22	1	11	3	33	3	33	3.78
4. Elementary Education	129	1	1	4	3	10	8	44	34	70	54	4.38
5. English	24	2	8	2	8	3	13	9	38	8	33	3.79
6. Foreign Language	15	0	0	2	13	2	13	8	53	3	20	3.80
7. HPER	59	1	2	3	5	12	20	23	39	20	34	3.98
8. Home Economics	44	3	7	6	14	10	23	11	26	14	32	3.61
9. Industrial Education	19	1	5	0	0	3	16	5	26	10	53	4.21
10. LEM	15	0	0	0	0	4	27	8	53	3	20	3.93
11. Math, Comp Science	27	1	4	2	7	6	22	6	22	12	44	3.96
12. Music	46	2	4	4	9	10	22	17	37	13	28	3.76
13. Psychology	3	0	0	0	0	1	33	1	33	1	33	4.00
14. Science	19	0	0	0	0	5	26	7	37	7	37	4.11
15. Social Science	30	0	0	2	7	4	13	10	33	14	47	4.20
16. Special Educ	137	2	2	5	4	16	12	46	34	68	50	4.26
17. Speech	11	0	0	0	0	2	18	2	18	7	64	4.45
18. Speech & Hearing	37	1	3	4	11	3	8	16	43	13	35	3.97
TOTAL	685	15	2	42	6	107	16	236	35	285	42	4.07

A Listing
of the Narrative Responses to Item B2, Section H

The item:

2B. How can we better prepare teachers in your area of specialization?

(If possible, give specific suggestions.)

The comments will be presented by major area. A symbol such as "3R" after a statement indicates that 3 respondents gave the same general suggestion.

At the end, a general summary of the suggestions, regardless of the major area, will be presented.

1. ART EDUCATION

Encourage selection of more art courses R2
More field experience R8
Require selected education courses
Require class in operating equipment (kiln, enamelor, etc)R2
Require course dealing w/LD and Special Education students R3
Require an art history course
Get students into schools sooner R5
Basic course
Adjust the "Test & Measurements" course R3
Art courses too vague R3
Need course in classroom discipline R4

2. BUSINESS EDUCATION

More methods courses R4
More accounting courses R2
Instruction on use of audio-visual equipment R2
Observation in rural, suburban, urban schools
More field experiences R5
More discipline classes R4
More emphasis on IOE & COE
More computer sciences courses R3
More data processing courses R2

3. DISTRIBUTIVE EDUCATION

Require Business Law course
Need more well rounded instructors
More practical experiences R4
Broaden the Distributive Education Course

4. ELEMENTARY EDUCATION

- More field experiences R2
- How to deal with parent/student problems
- Require more reading courses R8
- Require special education courses R2
- Teach discipline, classroom management
- Stress bookkeeping involved in teaching
- More on the job experience in classroom R10
- Earlier/more field experiences R26
- More teachers talk to students R3
- Require first aid course R3
- Require audio-visual courses R2
- Offer more classroom management courses
- How to set up a grade book efficiently R2
- Deal with discipline problems R10
- More writing courses
- Take specific education courses earlier R3
- Need knowledge of special education children R8
- Require the MEP R10
- Give experience in student's major and minor
- How to write on the board

5. ENGLISH

- Require a second concentration
- Give a letter grade in student teaching
- Require more field experiences
- Need discipline courses R5
- Show more methods of grading
- Need more field experiences R4
- Need more methods courses R3
- More coursework in journalism; need the experience of actually producing a paper and a yearbook
- Explain about drug related problems
- More writing courses R2
- Have recent teachers talk to students
- Need to know what to do with gifted & talented children R2
- Need to know more about mainstreaming

6. FRENCH, GERMAN, SPANISH

- More in-school experiences
- Need course related to handling grading, failure to do homework, behavioral problems
- Require foreign language methods course
- Require a course in educational media
- Require a course in bookkeeping
- Create a course in which students actually create a 1st year teaching curriculum
- More conversation in Spanish classes R2
- More time for methods course R3
- Continue foreign program abroad

7. HPER

Broaden the PE field
Require both Health & PE certification
Require coaching courses R2
Need more on how to discipline
Need more field experiences R20
Teach audio-visual techniques R2
How to deal with disruptive behavior R7
Motivational techniques R6
Prepare all majors for elementary and secondary R2
Procedures courses (grades, referrals, etc) R4
How to diagnose learning disabilities R5
More reading and grammar skills
Teaching a co-ed class
Cover more activities to do in classroom R2
More psych courses

8. HOME ECONOMICS

Require a course in EMR R9
Earlier and more field experiences R15
How to deal with discipline problems R10
Course on filling out state forms R4
How to prepare tests
Update methods courses R4
Teach about due process, teacher liability R2
Require class on household equipment
Need classroom management course
More specific information in classes
More courses on personal relationships
Food preservation should be taught
FHA/HERO should be more thorough

9. INDUSTRIAL EDUCATION

Spend more time on skills on equipment R3
Machine repair and maintenance R2
More practical experience
Require Testing and Measurements
Too much theory R3
Require a course on discipline R4
Class about school law R2
Emphasize safety regulations
How to purchase supplies

10. LEM

Course in media equipment
Course in discipline R2
More field experience R4
Update methods course R2
Explain state forms that must be filled out

10. LEM (continued)

Update audio-visual equipment in LEM lab
Less theory R2
Require reading courses
Course in how to organize time
Course work in student management
How to survive on low budget
Course in business aspects of LEM

11. MATH/COMPUTER SCIENCE

Computer programming using BASIC
More field experiences R2
Teaching different levels of math R6
Discuss problems teachers will encounter
Create math courses for future teachers only R2
More field experiences R10
Course in behavior problems R3
More methods classes R2

12. MUSIC EDUCATION

Behavior problems R3
More field experience R16
Professors have been out of public school too long R2
More specialized courses R2
Less out of the major courses
Require woodwinds repair class
Offer a beginning jazz class
Require methods course R4
Teach about administrative end of teaching
Update methods course R2
Require course dealing with special education
More conducting/rehearsal technique experience

13. PSYCHOLOGY

Aim psychology classes toward teaching in high school
More student teaching in major and minor
Need methods course just for behavioral sciences R2
Discipline problems
Course in school laws

14. BIOLOGY, EARTH SCIENCE, ENVIRONMENTAL SCIENCE, PHYSICS, SCI COMP

Gear courses toward education majors
Spend more time on methods of discipline
More practical experience
Discipline techniques
Course in special education
More emphasis on discipline problems R4
More student teaching
Need less theory, more practical application
Teach more lab experiences

15. HISTORY, POLITICAL SCIENCE, SOCIAL STUDIES

Teach discipline R2
More field experience R3
Require a methods course R2
Teach about mainstreaming
Mental preparation for teachers
Course in language dialect
Require methods courses
Tutoring in classrooms 1 quarter
More discipline techniques R2
Combine 408-409 series to eliminate redundancy
History courses are too specific and do not cover all that an 8th grade class must cover
More field experiences R6
Less philosophy, more techniques R3
Tell about state laws

16. EMR, TMR-EMR, DHH, LB,/ELEMENTARY and EMR, TMR

More discipline techniques R9
Allow freshmen to go into the classrooms R6
More field experiences R10
Discontinue 6-page lesson plans
Teach block plans
Let students talk to teachers in their field
More work in special education classroom
Require a first aid course R2
Require a reading course in special education
More student teaching sessions R3
Earlier and more field experiences R4
More reading courses for special students
Discuss administrating problems
Do not require Elementary Education for Deaf Ed majors
More actual experience
Make student work more relevant
Deal with behavior problems
More emphasis on aids and their uses
More specific courses
How to motivate students
More reading courses
Need a course in deafness
Less theory, more methods
Need more than 1 advisor
More sign language classes R2
More experience working with deaf R2
Less philosophy R2
Discipline problems R10
Focus more on secondary education
More knowledge of reading programs
Need course dealing with divorce, parents who "don't care", overprotective parents R2
More instruction in curriculum development
Emphasize how to report progress to parents R2
Course about state laws R2

16. EMR, TMR-EMR, DHH, LB/ELEMENTARY and EMR, TMR (continued)

Emphasize organizing and planning
Different ways to deal with stress R2
Emphasis on communicating with parents
More courses in teaching reading R3
More experience in classroom R6
Improve methods courses R5
Teach how to write IEP's for special education students R2
Teach how to prepare for a strike
Emphasis on teaching LD child R3
How to set up LD resource room
Teach for elementary, jr, high and high school
More observation time
Course in Ohio laws, liability
Courses on discipline R2
How to deal with "angry", "acting out" child
Earlier and more field experiences R2
Less theory, more practical experiences
How to deal with mainstreaming
How to do paperwork (IEP's, testing, checklists)
How to keep others busy while teaching small groups
Improve counseling and advisory services

17. SPEECH

More observation
More field experiences R4
How to deal with mainstreaming
How to organize paperwork
Deal with elementary and secondary teachers

18. SPEECH AND HEARING

Earlier and more field experiences R10
Need more updated materials R2
Instructors need to go into the schools
More hands on experience R3
Need to gear teaching toward school, not clinic setting R3
More training in non-verbal communication for severely handicapped R2
More information about IEP's R2
Course dealing with programs, books, materials R3
More experience in interviewing and applying for the job
More practical applications R6
More workshops on methods, materials used R3
Course in practical usage of due process R3
Dealing with discipline

A General Summary

This section attempts to provide a general summary of the most frequent suggestions, as noted on the previous pages. The suggestions will be presented in rank order, based on total number of people who made suggestions in same similar areas.

	Suggestions	N
1.	That there be more and/or earlier field/observational/work experiences. [Comment: Teacher Education Redesign at BGSU initiated more of these types of experiences, in 1978-80. Many of these teachers had already graduated.]	202
2.	That BGSU should provide more help with discipline and classroom management.	99
3.	That there be more methods courses/experiences.	43
4.	That BGSU should provide more experiences related to mainstreaming and working with special/gifted/talented children.	35
5.	That BGSU should help future teachers obtain skills related to bookkeeping (grades, makeups, etc), how to order and inventory supplies, how to fill out State and Federal forms, etc.	28
6.	That BGSU should spend more time on various liabilities, due process mandates, various federal and state laws.	21
7.	That BGSU should require experiences that teach future teachers how to teach reading and writing.	18
8.	That BGSU should provide experiences on operating and repairing audio-visual and other equipment.	15

9. That the teachers needed help on relating to parents and to other teachers/administrators/students; also on how to motivate students. 13

10. That all teachers should have a first aid course. 5

The following are other various suggestions: more classes in major areas, more and updated information in the classroom/courses, less theory and more practical application and professors/instructors need to go out into the classrooms.

EDUCATIONAL RESEARCH [illegible] VICES
COLLEGE OF EDUCATION
BOWLING GREEN STATE UNIVERSITY
BOWLING GREEN, OHIO 43403

An Appraisal of the Performance of a Teacher Prepared at Bowling Green State University

- -

An Evaluation of the On-the-Job Effectiveness of Teachers Prepared by Bowling Green State University

- - - - - -

Based on Returns of 903 Principals of
a Sample of BGSU's 1975-80 Graduates

Booklet 2 of 3

A Report Prepared for and
Distributed to the Faculty
of the College of Education

by
Office of Educational Research and Services
College of Education
Fred L. Pigge, Director

December, 1982

SP026393

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Section 1

Introduction, Procedures, Copy of the Instrument, and an Overall Evaluation of Our "Products" by Their Principals

The present document presents principal evaluations of approximately 900 teachers who graduated from BGSU between 1975 through 1980.

This report booklet is the second of a series of three. The first report booklet summarized the evaluative responses of these teachers toward their teacher-education programs. The third booklet will summarize their responses not by majors as did Booklet 1 but by years of experience.

The Instrument

During the spring quarter 1981, copies of the instrument presented on pages 3, 4, 5 and 6 were sent to approximately 1400 Ohio school principals who were supervising teachers who had graduated from BGSU between 1975 and 1980.

The primary goal or objective of this instrument was to provide a format for the principals to give BGSU appraisals of the on-the-job effectiveness of our graduates.

This instrument was developed/designed by the Office of Educational Research and Services. The personnel of this office,in the construction of this instrument, drew upon the content and/or experiences of having worked with:

1. Instruments that have been used at BGSU. The initial batch of these instruments were partially based upon the findings of a quasi-nationwide request for follow-up instruments being used at other institutions during the early 1970's.
2. More recent instruments in use at other institutions. These were obtained through personal or cohort contact -- also from

papers read at (or published by) AREA, AACTE, etc.

3. Suggestions of program faculty/staff/administrators at BGSU.
4. Publications of regional, state and professional accrediting/licensing agencies.
5. A state-wide study entitled "The Identificaiton of Generic Concepts of Effective Teaching as Related to the Ohio Standards" and completed by the Ohio Study Council for Research and Evaluation, 1979-80.
6. Materials published by College of Education, University of Georgia and/or Georgia State Department of Education in relation to Teacher Performance Assessment Instruments.
7. The Research and Development Center for Teacher Education, The University of Texas at Austin.

Procedures

A copy of the instrument entitled "An Appraisal of My Preparation as a Teacher at BGSU" was initially sent to our teaching graduates during early March, 1981. A reminder was sent to non-respondents during early April. (These responses are summarized in Booklets 1 and 3.) The instrument "An Appraisal of the Performance of a Teacher Prepared at BGSU" was sent to the principals of the aforementioned teachers during mid-April, 1981. A reminder was sent to the non-respondents during early May. (The present report summarizes these findings.)

Section 2 of this report presents a description of the numbers of teachers and principals who comprised the original population and the responding samples.

Overall Evaluation

The one item which permitted the principals to give "our" teachers

Bowling Green State University

College of Education
Office of Research and Services
Suite 330 Education Building
Bowling Green, Ohio 43403
(419) 372-0151
Ext 274

Spring, 1981

Dear Principal:

According to our records, the person listed below who is a recent graduate of Bowling Green State University was teaching under your supervision during the 1979-80 school year.

We at Bowling Green State University are very much concerned about how well our graduates are guiding pupil growth. It is for this reason that we are respectfully asking you to take a few minutes to give us your honest reaction to questions posed on the accompanying questionnaire. These questions pertain to the above teacher's effectiveness in your school situation.

For your information, we communicated with the above named teacher at an earlier date this school year. One statement made to the teacher was:

> *We plan to select at random some principals of our 1976-80 graduates and ask them to respond to questions related to the teacher education program at Bowling Green State University and to the success of its graduates. If you have any objections to our contacting your principal about our program and the comparative success of its graduates, please so state below.*

The above named teacher indicated that he/she did not object to our contacting you for the purposes of this questionnaire.

This questionnaire is being sent to a rather large sample of principals of our recent (1976-80) graduates who are teaching in the State of Ohio. After analyzing the responses and summarizing the comments, we will be in a better position than at the present time to make plans for improving our teacher education programs. We will also be able to certify to our various state, regional, and national accrediting agencies that we have collected and analyzed data on how well our graduates are performing on the job. (The agencies require us to perform these types of data collections at periodic intervals.)

Please be assured that your responses will remain anonymous. Only summary tabulations by years of experience, teaching areas, or other groupings will be presented to our faculty and to the accrediting agencies. When your responses have been coded onto computer cards, this questionnaire will be destroyed. Under no circumstances will your responses be known to the teacher or used to the teacher's betterment or detriment

We are very appreciative of your cooperation in completing this form.

Please return the completed form via the enclosed pre-addressed postage paid envelope within 10 days to two-weeks of its receipt. Thank you.

Sincerely yours,

Fred Pigge

Fred L. Pigge, Director
Educational Research and Services

4.

AN APPRAISAL OF THE PERFORMANCE OF A TEACHER PREPARED AT BOWLING GREEN STATE UNIVERSITY

NOTE: If concerned teacher is no longer under your supervision, check ☐ , and return the blank questionnaire. Thank you.

FORWARD

The questionnaire is composed of three parts. Part A attempts to gather data on the placement of the teacher. Part B asks you to rate the teacher in his/ her fulfillment of several teaching competencies, and Part C tends to be summary in nature.

PART A

Placement of the Teacher

1. The concerned teacher is assigned what grade(s) or subject areas? ____________________ (18 20)
2. Counting this year and to the best of your knowledge, how many years of teaching experience does the teacher possess?__________years (21)
3. How would you classify your school? (22)
   1. ______urban
   2. ______suburban
   3. ______rural

PART B

Fulfillment of Selected Teacher Competencies

Presented below and on the following pages are several competencies of effective teachers. Please use the following coded descriptions to rate the concerned teacher. (Just circle the appropriate numeral.)

5 — A very accurate description of the teacher's general performance
4 — Somewhat accurate
3 — Neither accurate nor inaccurate
2 — Somewhat inaccurate
1 — Very inaccurate description of the teacher's general performance

	The Teacher:	Very Accurate	Somewhat Accurate	Neither Accurate Nor Inacccurate	Somewhat Inaccurate	Very Inaccurate	
1.	Gives clear directions and explanations.	5	4	3	2	1	(23)
2.	Evidences fairness, tact, compassion and good judgment in dealing with pupils.	5	4	3	2	1	(24)
3.	Demonstrates knowledge in the subject areas.	5	4	3	2	1	(25)
4.	Gives students individual help or attention.	5	4	3	2	1	(26)
5.	Provides opportunities for all ability levels of pupils to respond and participate.	5	4	3	2	1	(27)
6.	Demonstrates enthusiasm for teaching and learning and for the subject being taught at the time.	5	4	3	2	1	(28)
7.	Maintains an educational environment conducive to developing positive attitudes toward learning.	5	4	3	2	1	(29)
8.	Uses effectively a variety of verbal and non-verbal classroom communication techniques.	5	4	3	2	1	(30)

	Very Accurate	Somewhat Accurate	Neither Accurate Nor Inacccurate	Somewhat Inaccurate	Very Inaccurate	
9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.	5	4	3	2	1	(31)
10. Maintains self-control in classroom situations with pupils.	5	4	3	2	1	(32)
11. Controls disruptive or deviant pupil behavior objectively.	5	4	3	2	1	(33)
12. Selects goals and objectives appropriate to pupil needs.	5	4	3	2	1	(34)
13. Prepares lessons that are well organized and cohesive.	5	4	3	2	1	(35)
14. Promotes self-awareness and positive self-image in pupils.	5	4	3	2	1	(36)
15. Modifies instruction appropriate to identified learner needs.	5	4	3	2	1	(37)
16. Accepts responsibility.	5	4	3	2	1	(38)
17. Encourages students to take responsibility for their own work.	5	4	3	2	1	(39)
18. Uses acceptable written and oral expression with learners.	5	4	3	2	1	(40)
19. Demonstrates ability to work with individuals, small groups, and large groups.	5	4	3	2	1	(41)
20. Identifies and evaluates learning problems of students in content area being taught.	5	4	3	2	1	(42)
21. Uses positive reinforcement patterns with students.	5	4	3	2	1	(43)
22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.	5	4	3	2	1	(44)
23. Has realistic expectations for student learning.	5	4	3	2	1	(45)
24. Selects, prepares, and effectively utilizes educational media.	5	4	3	2	1	(46)
25. Maintains a challenging level of instruction.	5	4	3	2	1	(47)
26. Uses skillful questions that lead pupils to analyze, synthesize and think critically.	5	4	3	2	1	(48)
27. Uses valid criteria and procedures for determining pupil achievement of learning objectives.	5	4	3	2	1	(49)
28. Expresses humor when appropriate.	5	4	3	2	1	(50)
29. Motivates students to ask questions.	5	4	3	2	1	(51)
30. Expresses a positive personal attitude toward the teaching profession.	5	4	3	2	1	(52)
31. Teaches reading in his/her grade or subject area.	5	4	3	2	1	(53)
32. Requests appropriate professional assistance when needed.	5	4	3	2	1	(54)
33. Uses more than one method in a single presentation to achieve instructional objectives.	5	4	3	2	1	(55)
34. Determines student readiness for learning.	5	4	3	2	1	(56)
35. Uses information about the effectiveness of his/her instructional program to revise it.	5	4	3	2	1	(57)
36. Follows the policies and procedures of the school district.	5	4	3	2	1	(58)
37. Conveys the impression of knowing what to do and how to do it.	5	4	3	2	1	(59)

	Very Accurate	Somewhat Accurate	Neither Accurate Nor Inacccurate	Somewhat Inaccurate	Very Inaccurate	
38. Provides accurate and prompt feedback to learners about their performance.	5	4	3	2	1	(60)
39. Diagnoses student progress or difficulties and prescribes appropriate instruction and materials.	5	4	3	2	1	(61)
40. Has good working relationship with and is respected by his/her teaching colleagues.	5	4	3	2	1	(62)
41. Works cooperatively and effectively with other teachers. specialists. administrators. students. and parents. regardless of their value system. race. religion. age. sex. socioeconomic status, etc.	5	4	3	2	1	(63)
42. Adequately guides the handicap pupils who have been (or may be) "mainstreamed" into her/his classroom	5	4	3	2	1	(64)

PART C

General Summary

1. Considering total effectiveness in guiding pupil growth. I believe this teacher. when compared to other teachers with similar experience. is: (65)

______5. Excellent. very adequate. way above average. etc.
______4. Above average. good. etc.
______3. Average. adequate. etc.
______2. Somewhat below average. etc.
______1. Poor. inadequate. way below average. etc.

2. Do you have suggestions as to how we can better prepare teachers? If so. please describe them in this space or attach a separate page.

3. Special comments: (For example. visible strengths and/or weaknesses of teacher education preparation at Bowling Green State University.)

Please return completed questionnaire within 10 day to two weeks of its receipt in the enclosed self-addressed postage paid envelope.

a general overall evaluation was presented on page 4 of the instrument and was worded as follows:

1. Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience, is:
    - ____ 5. Excellent, very adequate, way above average, etc.
    - ____ 4. Above average, good, etc.
    - ____ 3. Average, adequate, etc.
    - ____ 2. Somewhat below average, etc.
    - ____ 1. Poor, inadequate, way below average, etc.

There were 898 principals who gave responses to this item. These responses are summarized, by the teachers' majors, in Table 1 and also in Figure 1.

A mean of 3.0 would have indicated average or adequate performance. As can be observed in Table 1, all except two means were above 4.00 -- indicating that overall these individuals (BGSU graduates) were perceived to be performing "above average", etc.

Table 1 also shows that 35 of our teachers (4%) were rated "below average" or "poor," 133 (15%) were rated "adequate," and 81% were rated "good," "above average" or "excellent."

The probability of .04 associated with the χ^2 value of 89.34 presented at the bottom of Table 1 signified that there were significant proportional response differences between/among the various majors.

Figure 1 was an attempt to visualize more clearly the data differences presented in Table 1. The overall mean was 4.19 (bottom line in Table 1). Data in Figure 1 reveal that teachers from two program areas were given average ratings markedly below the others (major 9, Industrial Education N = 24, and major 13, Psychology, N = 5). (Of course the interested reader should assign more weight to a mean based on 24 evaluations than a mean based on 5 responses.) Three more areas somewhat below the 4.19 overall average rating were 2 (Business), 8 (Home Economics), and 10 (LEM). Only one area mean was markedly above the 4.19 rating: 18 (Speech and Hearing).

Table 1

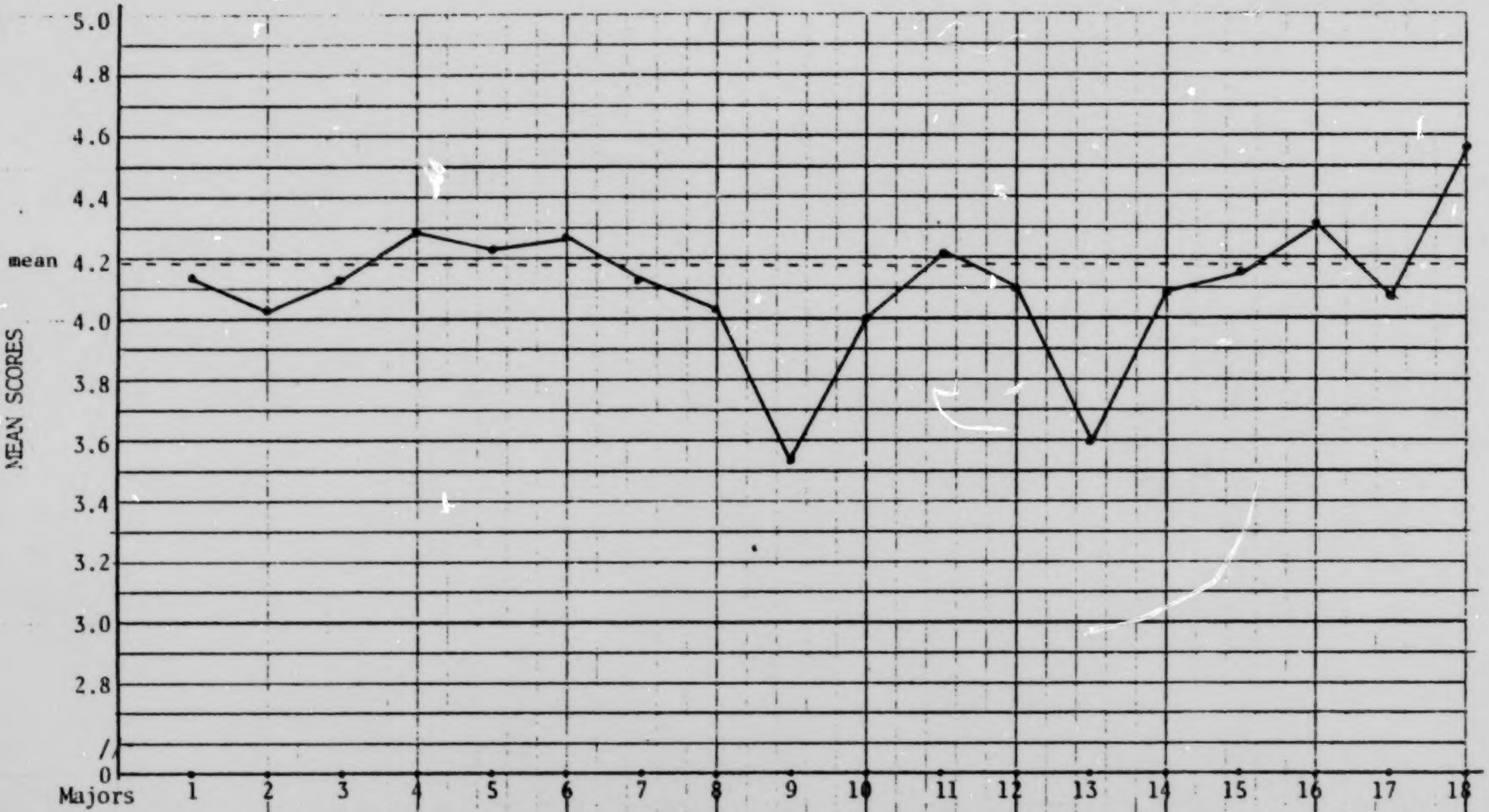
Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience, is:

____5. Excellent, very adequate, way above average, etc.
____4. Above average, good, etc.
____3. Average, adequate, etc.
____2. Somewhat below average, etc.
____1. Poor, inadequate, way below average, etc.

Responses

		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	1	3	6	15	16	40	16	40	4.13
2. Business	43	0	0	0	0	13	30	16	37	14	33	4.02
3. Distributive Ed	15	0	0	1	7	2	13	6	40	6	40	4.13
4. Elementary Education	162	0	0	2	1	19	12	71	44	70	43	4.29
5. English	39	0	0	1	3	5	13	17	44	16	41	4.23
6. Foreign Language	15	0	0	2	13	0	0	5	33	8	53	4.27
7. HPER	84	1	1	3	4	13	16	34	41	33	39	4.13
8. Home Economics	48	1	2	0	0	11	23	20	42	16	33	4.04
9. Industrial Education	24	1	4	2	8	7	29	11	46	3	13	3.54
10. LEM	16	0	0	0	0	5	31	6	38	5	31	4.00
11. Math, Comp Science	33	0	0	1	3	5	15	13	39	14	42	4.21
12. Music	73	1	1	5	7	13	18	21	29	33	45	4.10
13. Psychology	5	0	0	1	20	2	40	0	0	2	40	3.60
14. Science	34	0	0	2	6	6	18	13	38	13	38	4.09
15. Social Science	38	0	0	1	3	4	11	21	55	12	32	4.16
16. Special Educ	173	2	1	6	4	17	10	59	34	89	51	4.31
17. Speech	12	0	0	0	0	2	17	7	58	3	25	4.08
18. Speech & Hearing	44	0	0	0	0	3	7	14	32	27	61	4.55
TOTAL	898	7	1	28	3	133	15	350	39	380	42	4.19

χ^2 = 89.34 p= .04 C= .30



Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience, is:

____5. Excellent, very adequate, way above average, etc.
____4. Above average, good, etc.
____3. Average, adequate, etc.
____2. Somewhat below average, etc.
____1. Poor, inadequate, way below average, etc.

FIGURE 1

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

In summary, the responses of the approximately 900 principals indicated that overall our graduates were performing very satisfactorily as teachers, that 81% could be described as above average or excellent, and that the performances of our teachers from the various major areas were rated above average. There were also findings which indicated that the principals denoted significant effectiveness differences between/among the various majors.

Section 2

A Description of the Population and Samples

The primary purpose of this section of the report is to give the reader an overview of the samples of teachers and their principals who were involved in the study.

Introduction

A request was made of the Computer Services Division of the Ohio State Department of Education on November 11, 1980 to provide Bowling Green State University with address labels of its 1975-79 graduates (and their principals) who were full-time teachers in the State of Ohio during the 1979-80 school year.

The Computer Services Division, keying on furnished social security numbers of our past graduates, provided us with multiple sets of address labels for approximately 1700 teachers and their principals. College of Education data was used in contacting the first-year teachers (1979-80 graduates). This latter group consisted of approximately 350 persons who were teaching in Ohio.

Data presented in Table 2 indicate that the total population of BGSU graduates for this study was 2055. Due to the circumstances of having to use "last year's addresses" for "this year's teachers" and based upon the quantity of unopened "wrong address" envelopes returned to us, it was assumed that 90% of the names/addresses were valid. One-hundred percent sampling was used for all majors except elementary and special education. A 50% sampling was used with these two majors. The total number of possible teacher (and principal) respondents was 1386, as data in Table 2 imply.

Table 2
Populations and Samples for the Basic Graduates and Their Principal

Major	Number of Graduates Identified as Teaching in Ohio During 1979-80	Valid Population (Less 10%)**	Sample Returns			
			Teachers		Principals	
			N	%	N	%
Art	70	63	29	46	39	62
Business	63	57	35	61	43	75
Distributive Educ	21	19	9	47	15	79
Elementary Educ	450 (225)*	203	130	64	163	80
English	76	68	24	35	40	59
Foreign Language	31	28	15	54	15	54
HPER	147	132	59	45	83	63
Home Economics	93	84	44	52	48	57
Industrial Educ	53	48	19	40	25	52
LEM	28	25	15	60	14	56
Math, Computer Sci	55	50	27	54	33	66
Music	131	118	46	39	74	63
Psychology	7	6	4	67	5	83
Science	59	53	20	38	36	68
Social Science	73	66	30	45	38	58
Special Educ	582 (291)*	262	140	53	176	67
Speech	27	24	11	46	12	50
Speech & Hearing	89	80	37	46	44	55
Total	2055(1539)*	1386	694	50	903	65

* A fifty percent sample for elementary education and special education was used. Thus, 225 elementary and 291 special education majors composed the original sample. The original non-corrected population consisted of 1539 teachers.

** The 1979-80 Ohio Department of Education's Principals' Reports (October, 1979) were used for the involved 1975-79 teachers. Interpreting number of unopened envelopes returned etc, a 90% validity figure was assumed. (College of Education records were used for 1979-80 first-year teachers.)

The Respondents

Table 2 presents a breakdown by majors of the population and sample returns. For illustration, data in Table 1 show that 29 of the 63 art majors returned their completed evaluation forms -- a 46% return rate for this major. Thirty-nine of the 63 principals returned their evaluations, a return rate of 62%.

Six hundred ninety-four (694) teacher responses were received from what was thought to be a valid population of 1386. This amounted to a teacher return rate of 50%. As mentioned before, the responses of these teachers are summarized in Booklet 1. For the principals, 903 or 65% returned "evaluations" of the teachers' performances. The evaluative responses of these principals are presented in the present research report.

Table 3 breaks the sample down by years of experience and other data. For example, data in Table 3 reveal the following:

> One hundred fifty-three (153) respondents had 3 years of teaching experience; the 153 comprised 22% of the total sample of 694. There were 1006 graduates who qualified for teaching certificates during the 1977-78 academic year. Each graduate was asked, approximately 3 months after graduation, to reveal whether he/she had a full-time teaching position. Eight hundred thirty-nine (839) or 83% of the class responded to the survey; 493 or 59% had obtained full-time teaching positions. The 153 respondents was 34% of the number of full-time teachers (493).

In summary, the 694 respondents were probably about a 30% sample of all the graduates who become full time teachers. As mentioned before, the approximately 900 completed principal forms was about a 65% return.

Table 3
Additional Data Describing the Sample

Graduation	Years of Teaching Experience	Teacher Responses N	Teacher Responses % of Total Sample	Principal Returns*		Total Number of Graduates	# and % of Graduates Who Completed Follow-up instruments 3 mos After Graduation		# and % of Full Time Teachers Based on Follow-up Data		Present Study Responses as % of Full-time Teachers
				N	%		N	%	N	%	%
1979-80	1	138	20	137	16	821	684	83	367	54	34
1978-79	2	125	18	188	22	881	707	80	436	62	35
1977-78	3	153	22	249	29	1006	839	83	493	59	34
1976-77	4	167	24	173	20	1113	1000	90	490	49	23
1975-76	5	111	16	99	12	1271	1206	95	609	50	18
Total		694	100	846	100	5092	4436	87	2395	54	29

* Approximately 60 principal "evaluations" were not sorted by teachers' years of experience.

Section 3

The Evaluative Findings - By Majors

The purpose of this section is to present summaries (tables, graphs, as well as narrative statements) indicating how our teachers were perceived as performing related to each of the 42 teaching characteristics.

Graphs were used to help readers determine the differences between the teachers preparation areas (majors) when the concerned chi-square probability values fell at .05 or below.

Overview

Each of the 42 competency statements was written in a positive mode. The principals were asked to choose (by marking a numeral) one of these descriptive responses to denote a teacher's performance for each of the 42 areas.

5 - A very accurate description of the teacher's general performance
4 - Somewhat accurate
3 - Neither accurate nor inaccurate
2 - Somewhat inaccurate
1 - Very inaccurate description of the teacher's general performance

A frequency distribution of the 42 total means is presented in Table 4. Each of these total means was based on responses from approximately 900 principals.

The data presented in Table 4 reveal that the administrators thought our graduates were well prepared in the various subject matter areas (Item 3). Overall, this was the highest mean score earned by our graduates.

The interested reader can determine, by studying/reading Table 4, the top 10 competency areas of our graduates (as perceived by their principals) -- the top 50% -- the bottom 10 etc.

Table 4
Rankings of the 42 Competency Areas

Rank	Mean	The Statement
1	4.60	3. Demonstrates knowledge in subject areas.
2.5	4.57	4. Gives students individual help or attention.
2.5	4.57	36. Follows the policies and procedures of the school district.
4	4.56	16. Accepts responsibility.
5	4.53	41. Works cooperatively and effectively with other teachers, specialists, administrators, students, and parents, regardless of their value system, race, religion, age, sex, socioeconomic status, etc.
6	4.52	6. Demonstrates enthusiasm for teaching and learning and for the subject being taught at the time.
7	4.50	30. Expresses a positive personal attitude toward the teaching profession.
9	4.48	1. Gives clear directions and explanations.
9	4.48	37. Conveys the impression of knowing what to do and how to do it.
9	4.48	40 Has good working relationship with and is respected by his/her teaching colleagues.
11	4.44	17. Encourages students to take responsibility for their own work.
12.5	4.43	13. Prepares lessons that are well organized and cohesive.
12.5	4.43	18. Uses acceptable written and oral expression with learners.
14	4.42	19. Demonstrates ability to work with individuals, small groups, and large groups.
15.5	4.37	28. Expresses humor when appropriate.
15.5	4.37	38. Provides accurate and prompt feedback to learners about their performance.
17.5	4.36	2. Evidences fairness, tact,compassion and good judgement in dealing with pupils.
17.5	4.36	10. Maintains self-control in classroom situations with pupils.
19.5	4.35	7. Maintains an educational environment conducive to developing positive attitudes toward learning.
19.5	4.35	9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.
21	4.33	12. Selects goals and objectives appropriate to pupil needs.
23.5	4.32	5. Provides opportunities for all ability levels of pupils to respond and participate.
23.5	4.32	21. Uses positive reinforcement patterns with students.
23.5	4.32	23. Has realistic expectations for student learning.
23.5	4.32	25. Maintains a challenging level of instruction.
26.5	4.31	14. Promotes self-awareness and positive self-image in pupils.
26.5	4.31	22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.

(continued on next page)

Table 4 (continued)
Rankings of the 42 Competency Areas

Rank	Mean		The Statements
28.5	4.28	32.	Requests appropriate professional assistance when needed.
28.5	4.28	33.	Uses more than one method in a single presentation to achieve instructional objectives.
30	4.27	27.	Uses valid criteria and procedures for determining pupil achievement of learning objectives.
31	4.24	8.	Uses effectively a variety of verbal and non-verbal classroom communication techniques.
32	4.23	15.	Modifies instruction appropriate to identify learners needs.
33.5	4.22	24.	Selects, prepares, and effectively utilizes educational media.
33.5	4.22	42.	Adequately guides the handicapped pupils who have been (or may be) "mainstreamed" into her/his classroom.
35	4.21	29.	Motivates students to ask questions.
36.5	4.20	20.	Identifies and evaluates learning problems of students in content area being taught.
36.5	4.20	39.	Diagnoses student progress or difficulties and prescribes appropriate instruction and materials.
38	4.16	35.	Uses information about the effectiveness of his/her instructional program to revise it.
39	4.15	11.	Controls disruptive or deviant pupil behavior objectively.
40	4.08	34.	Determines student readiness for learning.
41	4.04	26.	Uses skillful questions that lead pupils to analyze, synthesize and think critically.
42	3.84	31.	Teaches reading in his/her grade or subject area.

Upper 25% ⟶ above 4.47

Upper 50% ⟶ above 4.325

Lowest 25% → below 4.23

It is noteworthy that majors other than skill areas (i.e., HPER, Industrial Education, Music, etc) were also rated somewhat low, in comparative scores, on Item 31 (Teaches reading in his/her grade or subject area). The lowest mean (3.84 and rank 42) was associated with this item.

Individual Item Analyses

The remainder of Section 3 presents the principals' evaluative responses, broken down into preparation areas (majors) of our teachers, for the 42 competency statements. These responses are presented in Tables 6 through 47. For some items, a graph also accompanies the concerned table.

Whether or not a graph is also presented was determined by the significance of the chi-square value presented at the bottom of each table. If the probability associated with a Type I error (that of rejecting a true null hypothesis) was .05 or less, then graphs were used in helping the readers determine which "evaluation" of majors differed in a marked manner from the others.

In more detail, Table 6 presents the principal evaluative ratings for 902 of our teachers regarding how effective they were perceived in giving clear directions and instructions. The means for the various majors ranged between 4.12 (Industrial Education) to 4.67 (Distributive Education). The descriptive term associated with 4.00 was "somewhat accurate" and the term associated with 5.00 was "very accurate." Fifty-five percent (N =496) of our teachers earned ratings of "5", 40% (N=363) earned ratings of "4", and only 4% (N=43) earned ratings less than "4".

The chi-square value was 76.44 and the probability associated with this value was .23. The general hypothesis tested was that, proportionally, the various responses within the various majors did not differ significantly across majors. The .23 indicates that if a person should conclude that there were significant evaluative differences between the various majors, then he/she would stand a 23% of being wrong. Only when p's were at or less than .05 did the preparer of this report conclude that significant differences between majors existed. When this happened graphs were used to help determine those majors below, near, and above their cohorts.

It is certainly not practical nor efficient to state in narrative form the many many specific findings housed in each table and graph. Interested readers from each program area will need to study each table and ascertain how their majors fared, and if interested, to make comparisons with majors from other areas.

In order to whet appetites, a summary analysis of the frequency of majors above/below means will be presented. This analysis was accomplished by analyzing data in the 36 tables in which were implied significant differences between majors, i.e., Tables 7, 9, 10 ... 47. A tally was done which showed the number of times the means of a specific major was at/above the concerned means or below the means. More specifically, the analysis showed the art majors to be at/above the means 20 times -- below the means 16 times. If there was no significant trend, we would expect the art teachers to be at/above the means 50% of the time and below 50% of the time. This permits a chi-square analysis of the following order for the art majors:

	At/above	Below	
Observed	20	16	
Expected	18	18	
O-E	2	-2	
$(O-E)^2$	4	4	
$(O-E)^2/E$	.22	.22	$\chi^2 = .44$

Table value $\chi^2_{.05}$ (df = 1) = 3.84

Decision: no significant difference between observed and expected frequencies. The art teachers were in an overall sense judged to be average.

As data in Table 5 indicate, the elementary education majors were perceived as exhibiting the greatest amount of positive teaching attributes. Next in sequence were: Communication Disorders (Speech and Hearing), and

Table 5

Majors Perceived to be Performing Above and Below the BGSU Averages

Major	Number of times at and above means	Number of times below means	χ^2	Decision*
1. Art	20	16	0.44	N.S.
2. Business	11	25	5.44	Sig Neg
3. Distributive Education	25	11	5.44	Sig Pos
4. Elementary Education	35	1	32.12	Sig Pos
5. English	17	19	0.12	N.S.
6. Foreign Language	21	15	1.00	N.S.
7. HPER	6	30	16.00	Sig Neg
8. Home Economics	8	28	11.12	Sig Neg
9. Industrial Education	0	36	36.00	Sig Neg
10. LEM	7	29	13.44	Sig Neg
11. Math, Comp Sci	18	18	0.00	N.S.
12. Music	2	34	28.44	Sig Neg
13. Psychology	3	33	25.00	Sig Neg
14. Science	9	27	9.00	Sig Neg
15. Social Science	10	26	10.12	Sig Neg
16. Special Education	32	4	21.78	Sig Pos
17. Speech	12	24	4.00	Sig Neg
18. Communication Disorders	34	2	28.44	Sig Pos

*(1) N.S. -- not a significant difference between number of observed and expected frequencies.

(2) Sig Neg -- a significant difference between the number of observed and expected frequencies but in a negative direction, that is, significantly more means below the means than at or above.

(3) Sig Pos -- a significant difference between the number of observed and expected frequencies but in a positive direction, that is, significantly more means at/above the means than below.

Special Education. At the bottom end of the continuum were, in sequence: Industrial Education, Music, and Psychology. All the other majors were scattered between these two sets.

The faculty in the various program areas will need to examine the specific teaching characteristics/expectations and make judgemental decisions as to the appropriateness of such to the effective daily functionings of their majors. Some program faculty may validly claim that a chosen characteristic is not as appropriate to their major as to others. Some program faculty may, and again in a valid research sense, claim their comparisons were biased by the high means generated by the elementary and special education teachers -- that middle school and high school principals behave differently and have different expectations than do elementary principals.

For those who are concerned with these possible biases, it is suggested that they do similar analyses but between and among similar majors.

The following groupings are suggested for these additional analyses:

Grouping	Majors
1. Elementary	Elementary (#4)
2. Special Education	Special Education (#16)
	Speech and Hearing (#18)
3. Specialized Majors	Art (#1)
	Business (#2)
	Distributive Education (#3)
	Foreign Language (#6)
	HPER (#7)
	Home Economics (#8)
	Industrial Education (#9)
	L.E.M. (#10)
	Music (#12)
4. Secondary Majors	English (#5)
	Math, Comp Sci (#11)
	Psychology (#13)
	Science (#14)
	Social Science (#15)
	Speech (#17)

Without further introductions, the 42 tables and 36 graphs are presented in sequence. It is suggested that faculty from the various program areas examine, compare, and contrast the ratings for their majors per each competency statement. Hopefully, this process will result in a better understanding of the teachers produced at BGSU and areas where development might be enhanced.

Table 6

Item: 1. Gives clear directions and explanations.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	0	0	21	53	19	48	4.48
2. Business	43	0	0	0	0	5	12	14	33	24	56	4.44
3. Distributive Ed	15	0	0	0	0	0	0	5	33	10	67	4.67
4. Elementary Education	162	0	0	1	1	2	1	63	39	96	59	4.56
5. English	40	0	0	1	3	1	3	17	43	21	53	4.45
6. Foreign Language	15	0	0	0	0	1	7	4	27	10	67	4.60
7. HPER	83	0	0	1	1	0	0	34	41	48	58	4.55
8. Home Economics	48	0	0	1	2	2	4	21	44	24	50	4.42
9. Industrial Education	25	0	0	1	4	3	12	13	52	8	32	4.12
10. LEM	15	0	0	0	0	0	0	12	80	3	20	4.20
11. Math, Comp Science	33	0	0	0	0	1	3	15	46	17	52	4.48
12. Music	73	1	1	1	1	3	4	33	45	35	48	4.36
13. Psychology	5	0	0	0	0	0	0	3	60	2	40	4.40
14. Science	36	0	0	0	0	2	6	16	44	18	50	4.44
15. Social Science	39	0	0	0	0	1	3	16	41	22	56	4.54
16. Special Educ	175	2	1	4	2	6	3	60	34	103	59	4.47
17. Speech	12	0	0	1	8	0	0	7	58	4	33	4.17
18. Speech & Hearing	43	0	0	1	2	1	2	9	21	32	74	4.67
TOTAL	902	3	0	12	1	28	3	363	40	496	55	4.48

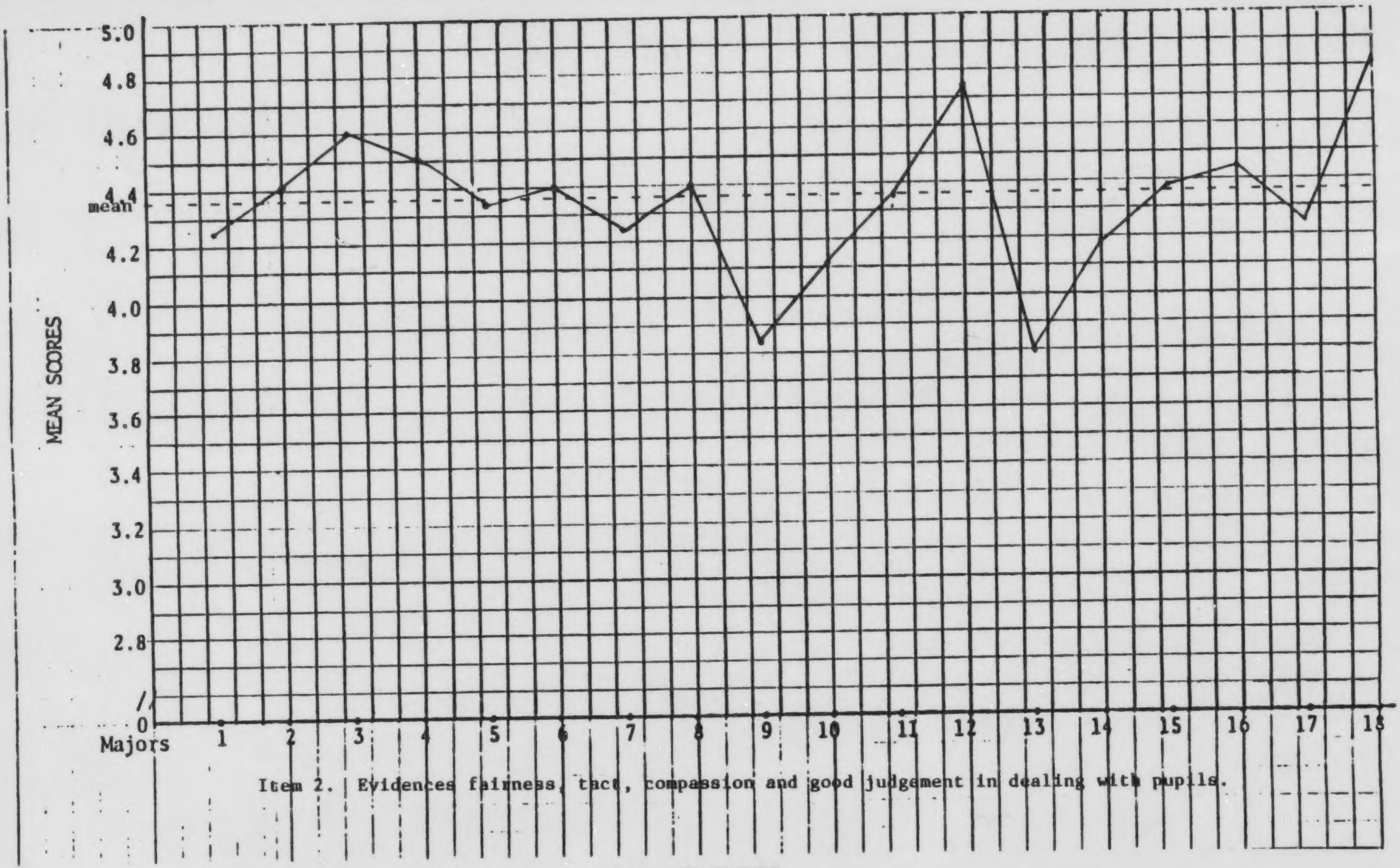
$\chi^2 = 76.44$ $p = .23$ $C = .28$

Table 7

Item: 2. Evidences fairness, tact, compassion and good judgment in dealing with pupils.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	1	3	2	5	19	48	17	43	4.25
2. Business	43	0	0	1	2	3	7	16	37	23	54	4.42
3. Distributive Ed	15	0	0	0	0	0	0	6	40	9	60	4.60
4. Elementary Education	161	0	0	0	0	7	4	65	40	89	55	4.51
5. English	40	0	0	0	0	4	10	17	43	19	48	4.38
6. Foreign Language	15	1	7	1	7	0	0	2	13	11	73	4.40
7. HPER	83	1	1	2	2	4	5	44	53	32	39	4.25
8. Home Economics	48	1	2	1	2	1	2	20	42	25	52	4.40
9. Industrial Education	25	2	8	1	4	4	16	10	40	8	32	3.84
10. LEM	15	0	0	0	0	2	13	9	60	4	27	4.13
11. Math, Comp Science	33	0	0	1	3	3	9	12	36	17	52	4.36
12. Music	74	0	0	10	14	10	14	26	35	28	38	4.75
13. Psychology	4	0	0	0	0	0	0	1	25	3	75	3.80
14. Science	36	0	0	2	6	3	8	17	47	14	39	4.19
15. Social Science	39	0	0	0	0	4	10	16	41	19	49	4.38
16. Special Educ	176	2	1	7	4	9	5	51	29	107	61	4.44
17. Speech	12	0	0	1	8	0	0	6	50	5	42	4.25
18. Speech & Hearing	43	0	0	0	0	3	7	2	5	38	88	4.81
TOTAL	902	8	1	28	3	59	7	339	38	468	52	4.36

χ^2 = 141.34 p= 0.00 C= .37



Item 2. Evidences fairness, tact, compassion and good judgement in dealing with pupils.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 8

Item: 3. Demonstrates knowledge in the subject areas.

			Responses										
			1		2		3		4		5		
		N	f	%	f	%	f	%	f	%	f	%	Mean
1.	Art	40	0	0	0	0	0	0	8	20	32	80	4.80
2.	Business	43	0	0	0	0	4	9	16	37	23	54	4.44
3.	Distributive Ed	15	0	0	0	0	0	0	5	33	10	67	4.67
4.	Elementary Education	162	0	0	0	0	6	4	66	41	90	56	4.52
5.	English	40	0	0	1	3	0	0	12	30	27	68	4.63
6.	Foreign Language	15	0	0	0	0	1	7	2	13	12	80	4.73
7.	HPER	83	1	1	2	2	2	2	20	24	58	70	4.59
8.	Home Economics	47	0	0	1	2	2	4	16	34	28	60	4.51
9.	Industrial Education	25	0	0	0	0	2	8	12	48	11	44	4.36
10.	LEM	16	0	0	0	0	0	0	5	31	11	69	4.69
11.	Math, Comp Science	33	0	0	1	3	0	0	7	21	25	76	4.70
12.	Music	74	0	0	0	0	0	0	12	16	62	84	4.84
13.	Psychology	5	0	0	0	0	0	0	3	60	2	40	4.40
14.	Science	36	0	0	0	0	1	3	10	28	25	69	4.67
15.	Social Science	39	0	0	1	3	0	0	17	44	21	54	4.49
16.	Special Educ	174	0	0	1	1	5	3	62	36	106	61	4.57
17.	Speech	12	0	0	0	0	0	0	6	50	6	50	4.50
18.	Speech & Hearing	44	0	0	1	2	2	5	5	11	36	82	4.72
	TOTAL	903	1	0	8	1	25	3	284	32	585	65	4.60

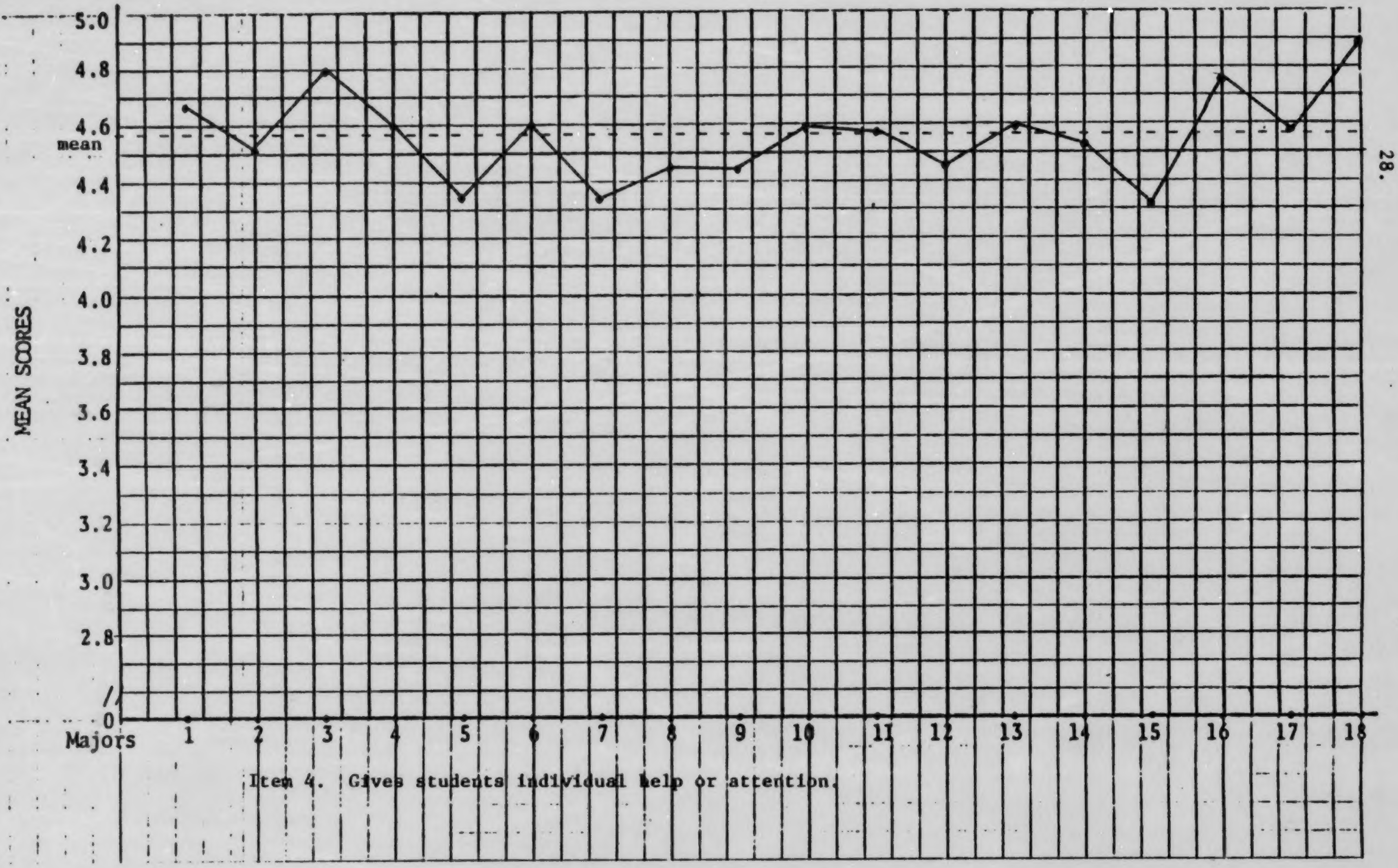
$\chi^2 = 86.72$ $p = .06$ $C = .30$

Table 9

Item: 4. Gives students individual help or attention.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	2	5	9	23	29	73	4.68
2. Business	43	0	0	0	0	5	12	11	26	27	63	4.51
3. Distributive Ed	15	0	0	0	0	0	0	3	20	12	80	4.80
4. Elementary Education	162	0	0	0	0	6	4	53	33	103	64	4.60
5. English	39	0	0	0	0	2	5	20	51	17	44	4.38
6. Foreign Language	15	0	0	0	0	2	13	2	13	11	73	4.60
7. HPER	83	1	1	1	1	9	11	30	36	42	51	4.34
8. Home Economics	47	0	0	1	2	2	4	19	40	25	53	4.45
9. Industrial Education	25	0	0	0	0	2	8	10	40	13	52	4.44
10. LEM	15	0	0	0	0	0	0	6	40	9	60	4.60
11. Math, Comp Science	33	0	0	0	0	3	9	8	24	22	67	4.58
12. Music	74	0	0	0	0	8	11	24	32	42	57	4.46
13. Psychology	5	0	0	0	0	0	0	2	40	3	60	4.60
14. Science	36	0	0	1	3	1	3	12	33	22	61	4.53
15. Social Science	39	0	0	1	3	4	10	16	41	18	46	4.31
16. Special Educ	175	1	1	1	1	5	3	26	15	142	81	4.75
17. Speech	12	0	0	0	0	1	8	3	25	8	67	4.58
18. Speech & Hearing	44	0	0	0	0	1	2	3	7	40	91	4.89
TOTAL	902	2	0	5	1	53	6	257	29	585	65	4.57

$\chi^2 = 99.32$ p= .01 C= .31



Item 4. Gives students individual help or attention.

CODE FOR MAJORS

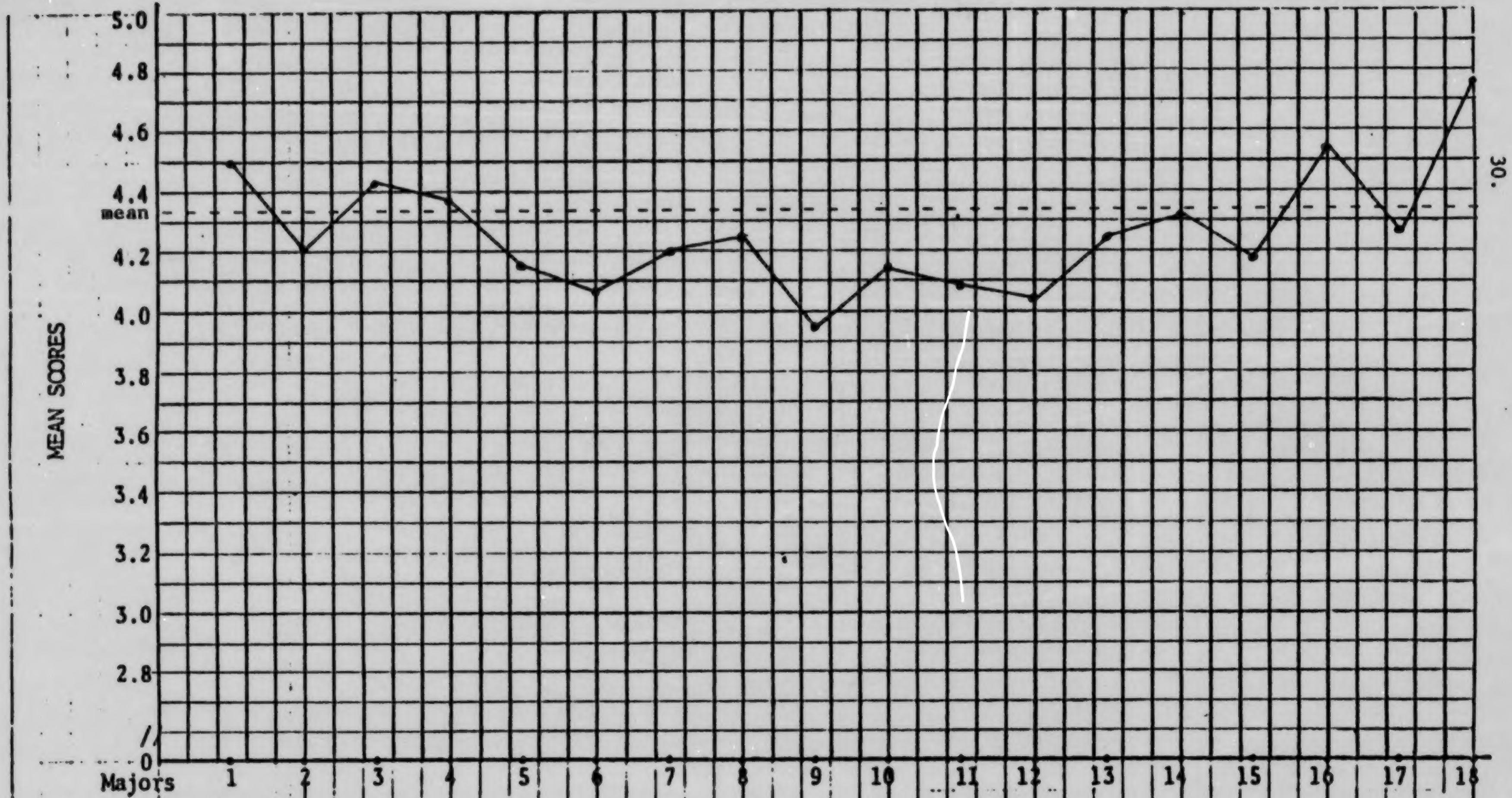
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 10

Item: 5. Provides opportunities for all ability levels of pupils to respond and participate.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	3	8	14	35	23	58	4.50
2. Business	43	0	0	1	2	6	14	19	44	17	40	4.21
3. Distributive Ed	14	0	0	0	0	0	0	8	57	6	43	4.43
4. Elementary Education	163	0	0	1	1	13	8	72	44	77	47	4.38
5. English	39	0	0	1	3	3	8	24	62	11	28	4.15
6. Foreign Language	15	0	0	2	13	0	0	8	53	5	33	4.07
7. HPER	83	1	1	3	4	7	8	39	47	33	40	4.20
8. Home Economics	48	0	0	2	4	3	6	24	50	19	40	4.25
9. Industrial Education	25	0	0	2	8	4	16	12	48	7	28	3.96
10. LEM	14	0	0	0	0	1	7	10	71	3	21	4.14
11. Math, Comp Science	33	0	0	2	6	4	12	16	49	11	33	4.09
12. Music	74	0	0	3	4	15	20	31	42	25	34	4.05
13. Psychology	4	0	0	0	0	1	25	1	25	2	50	4.25
14. Science	35	0	0	1	3	6	17	9	26	19	54	4.31
15. Social Science	39	0	0	0	0	6	15	20	51	13	33	4.18
16. Special Educ	176	1	1	5	3	7	4	49	28	114	65	4.53
17. Speech	11	0	0	0	0	1	9	6	55	4	36	4.27
18. Speech & Hearing	43	0	0	0	0	1	2	8	19	34	79	4.76
TOTAL	899	2	0	23	3	81	9	370	41	423	47	4.32

$\chi^2 = 120.86$ $p= .0001$ $C= .34$



Item 5. Provides opportunities for all ability levels of pupils to respond and participate.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 11

Item: 6. Demonstrates enthusiasm for teaching and learning and for the subject being taught at the time.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	1	3	2	5	11	28	25	64	4.54
2. Business	43	0	0	0	0	4	9	15	35	24	56	4.47
3. Distributive Ed	15	0	0	0	0	2	13	3	20	10	67	4.53
4. Elementary Education	163	0	0	0	0	3	2	56	34	104	64	4.62
5. English	40	0	0	1	3	4	10	8	20	27	68	4.53
6. Foreign Language	15	0	0	0	0	1	7	6	40	8	53	4.47
7. HPER	83	2	2	1	1	5	6	19	23	56	68	4.52
8. Home Economics	48	1	2	0	0	5	10	11	23	31	65	4.48
9. Industrial Education	25	1	4	1	4	4	16	8	32	11	44	4.08
10. LEM	14	0	0	0	0	0	0	9	64	5	36	4.36
11. Math, Comp Science	33	0	0	1	3	3	9	10	30	19	58	4.42
12. Music	74	0	0	2	3	5	7	19	26	48	65	4.53
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	36	0	0	0	0	4	11	7	19	25	69	4.58
15. Social Science	38	0	0	0	0	3	8	16	42	19	50	4.42
16. Special Educ	176	0	0	4	2	5	3	61	35	106	60	4.53
17. Speech	12	0	0	1	8	0	0	3	25	8	67	4.50
18. Speech & Hearing	44	0	0	1	2	1	2	8	18	34	77	4.70
TOTAL	903	4	0	13	1	52	6	273	30	561	62	4.52

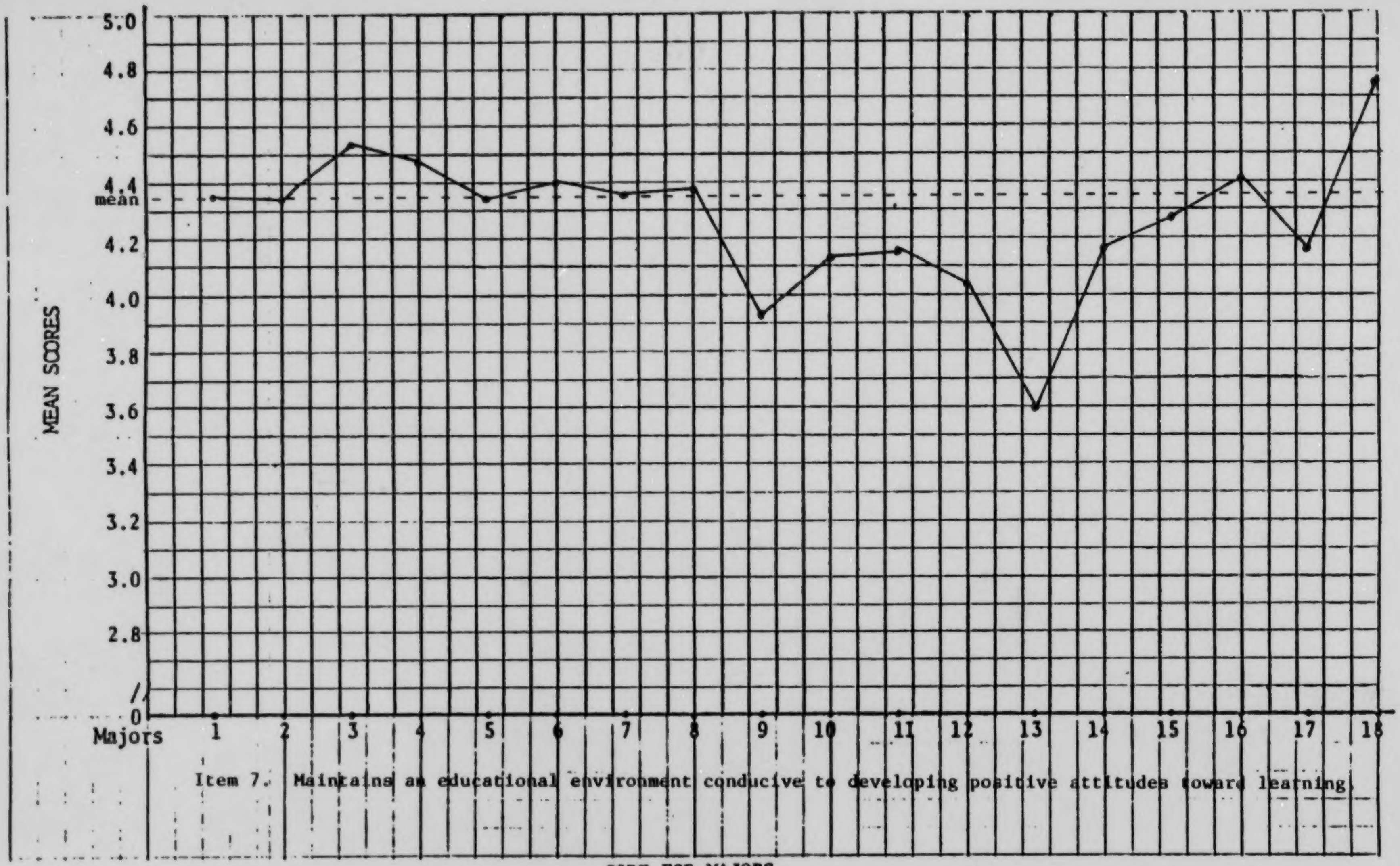
$\chi^2 = 86.98$ p= .06 C= .30

Table 12

Item: 7. Maintains an educational environment conducive to developing positive attitudes toward learning.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	1	3	1	3	3	8	12	31	22	56	4.36
2. Business	43	0	0	1	2	4	9	17	40	21	49	4.35
3. Distributive Ed	15	0	0	0	0	1	7	5	33	9	60	4.53
4. Elementary Education	162	0	0	4	3	6	4	59	36	93	57	4.49
5. English	40	0	0	1	3	6	15	11	28	22	55	4.35
6. Foreign Language	15	1	7	0	0	1	7	3	20	10	67	4.40
7. HPER	82	2	2	2	2	4	5	30	37	44	54	4.37
8. Home Economics	48	1	2	1	2	0	0	23	48	23	48	4.38
9. Industrial Education	25	1	4	2	8	4	16	9	36	9	36	3.92
10. LEM	15	0	0	0	0	3	20	7	47	5	33	4.13
11. Math, Comp Science	33	0	0	3	9	3	9	13	39	14	42	4.15
12. Music	73	2	3	5	7	10	14	27	37	29	40	4.04
13. Psychology	5	0	0	1	20	1	20	2	40	1	20	3.60
14. Science	36	0	0	4	11	3	8	12	33	17	47	4.17
15. Social Science	39	0	0	1	3	4	10	17	44	17	44	4.28
16. Special Educ	176	2	1	7	4	6	3	62	35	99	56	4.41
17. Speech	12	0	0	0	0	2	17	6	50	4	33	4.17
18. Speech & Hearing	43	0	0	0	0	2	5	6	14	35	81	4.77
TOTAL	901	10	1	33	4	63	7	321	36	474	53	4.35

χ^2 = 94.04 p= .02 C= .31



Item 7. Maintains an educational environment conducive to developing positive attitudes toward learning.

CODE FOR MAJORS

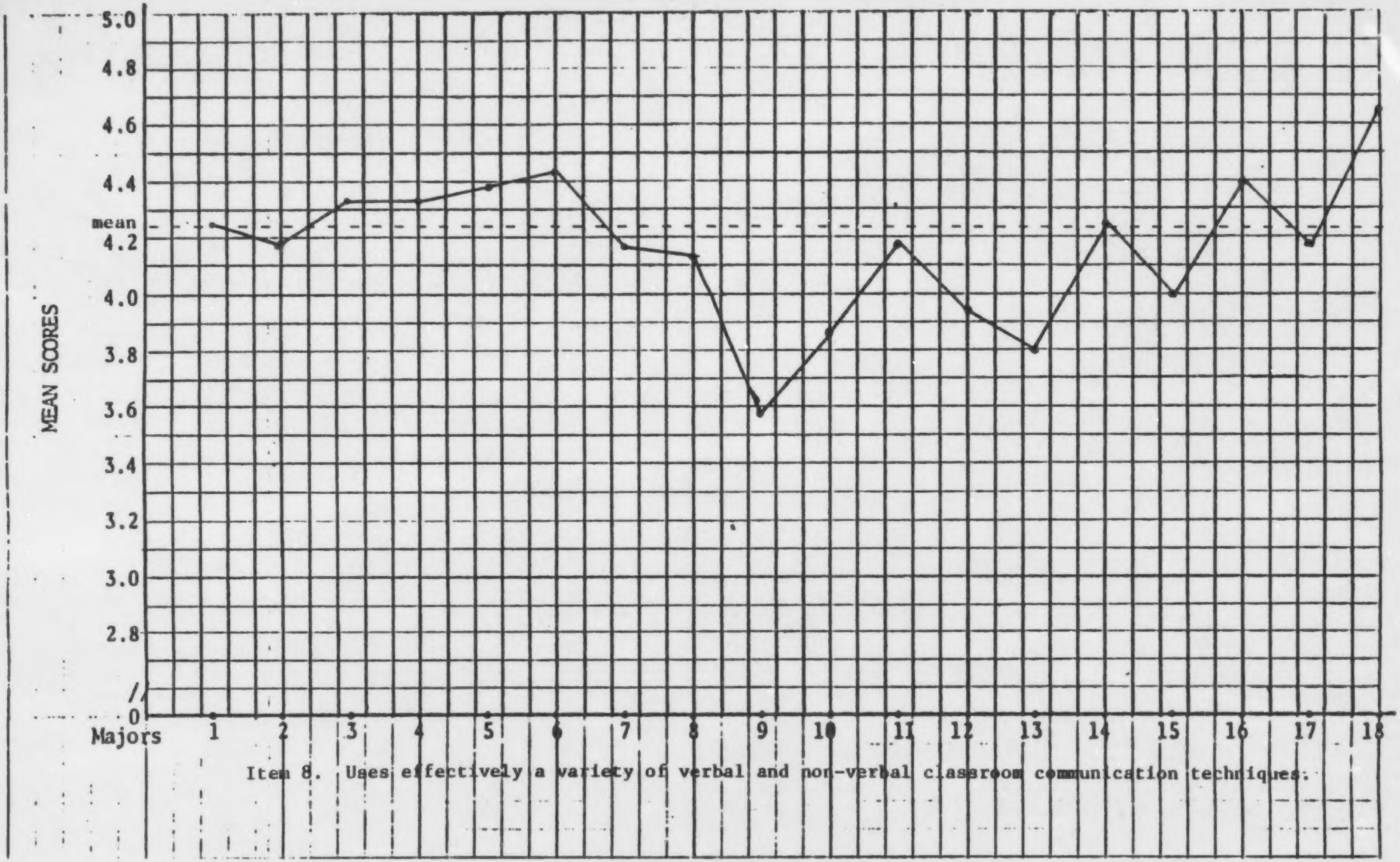
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 13

Item: 8. Uses effectively a variety of verbal and non-verbal classroom communication techniques.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	5	13	20	50	15	38	4.25
2. Business	42	0	0	1	2	4	10	23	55	14	33	4.19
3. Distributive Ed	15	0	0	0	0	1	7	8	53	6	40	4.33
4. Elementary Education	163	0	0	4	3	15	9	68	42	76	47	4.33
5. English	39	0	0	2	5	2	5	14	36	21	54	4.38
6. Foreign Language	14	0	0	1	7	0	0	5	36	8	57	4.43
7. HPER	82	2	2	0	0	12	15	36	44	32	39	4.17
8. Home Economics	48	0	0	2	4	7	15	22	46	17	35	4.13
9. Industrial Education	24	0	0	2	8	8	33	12	50	2	8	3.58
10. LEM	15	0	0	0	0	5	33	7	47	3	20	3.87
11. Math, Comp Science	33	0	0	0	0	7	21	13	39	13	39	4.18
12. Music	74	2	3	3	4	12	16	37	50	20	27	3.95
13. Psychology	5	0	0	1	20	1	20	1	20	2	40	3.80
14. Science	36	0	0	1	3	4	11	16	44	15	42	4.25
15. Social Science	39	0	0	1	3	7	18	22	56	9	23	4.00
16. Special Educ	176	2	1	5	3	11	6	60	34	98	56	4.40
17. Speech	11	0	0	1	9	1	9	4	36	5	46	4.18
18. Speech & Hearing	43	0	0	0	0	3	7	9	21	31	72	4.65
TOTAL	899	6	1	24	3	105	12	377	42	387	43	4.24

$\chi^2 = 114.85$ p= .0003 C= .34



Item 8. Uses effectively a variety of verbal and non-verbal classroom communication techniques.

CODE FOR MAJORS

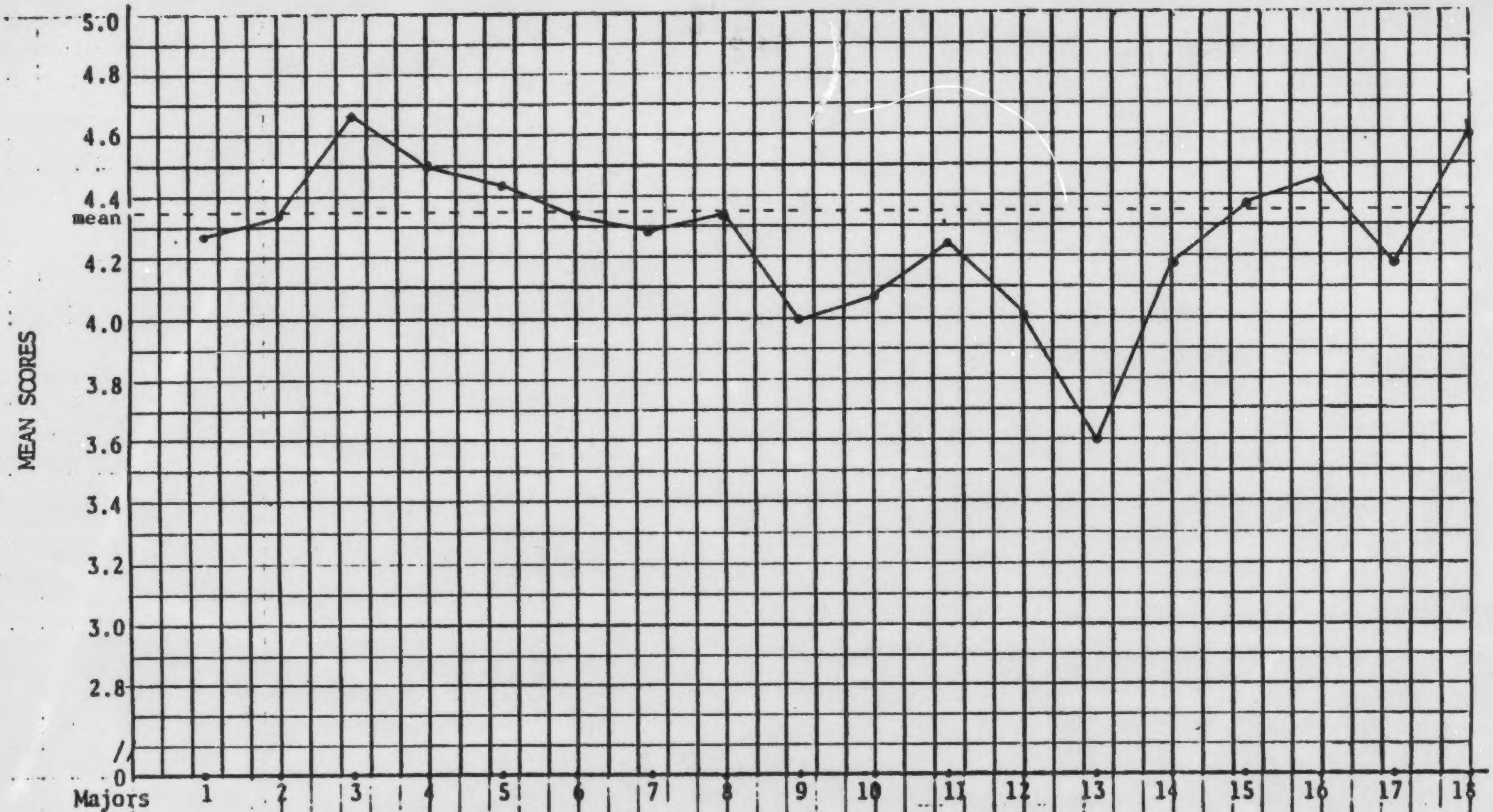
1.	Art	5.	English	9.	Industrial Ed	13.	Psychology	17.	Speech
2.	Business	6.	Foreign Lang	10.	LEM	14.	Science	18.	Speech & Hearing
3.	Distributive Ed	7.	HPER	11.	Math, Comp Sci	15.	Social Science		
4.	Elementary Ed	8.	Home Ec	12.	Music	16.	Special Ed		

Table 14

Item: 9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	0	0	5	13	15	38	19	48	4.28
2. Business	43	0	0	1	2	4	9	18	42	20	47	4.33
3. Distributive Ed	15	0	0	0	0	0	0	5	33	10	67	4.67
4. Elementary Education	162	0	0	4	3	4	3	61	38	93	57	4.50
5. English	39	0	0	2	5	3	8	10	26	24	62	4.44
6. Foreign Language	15	0	0	2	13	0	0	4	27	9	60	4.33
7. HPER	82	3	4	1	1	6	7	31	38	41	50	4.29
8. Home Economics	47	0	0	2	4	1	2	23	49	21	45	4.34
9. Industrial Education	25	2	8	0	0	4	16	9	36	10	40	4.00
10. LEM	15	0	0	1	7	2	13	7	47	5	33	4.07
11. Math, Comp Science	33	0	0	3	9	3	9	10	30	17	52	4.24
12. Music	74	1	1	8	11	7	10	31	42	27	37	4.01
13. Psychology	5	1	20	0	0	1	20	1	20	2	40	3.60
14. Science	36	1	3	1	3	4	11	14	39	16	44	4.19
15. Social Science	39	0	0	0	0	5	13	14	36	20	51	4.38
16. Special Educ	176	2	1	6	3	8	5	54	31	106	60	4.45
17. Speech	11	0	0	1	9	0	0	6	55	4	36	4.18
18. Speech & Hearing	43	0	0	1	2	3	7	8	19	31	72	4.60
TOTAL	900	11	1	33	4	60	7	321	36	475	53	4.35

$\chi^2 = 109.63$ p= .001 C= .33



Item 9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 15

Item: 10. Maintains self-control in classroom situations with pupils.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	2	5	3	8	15	39	19	49	4.31
2. Business	43	0	0	2	5	5	12	17	40	19	44	4.23
3. Distributive Ed	15	0	0	0	0	0	0	6	40	9	60	4.60
4. Elementary Education	163	0	0	5	3	8	5	59	36	91	56	4.45
5. English	40	0	0	2	5	2	5	17	43	19	48	4.33
6. Foreign Language	15	0	0	1	7	1	7	5	33	8	53	4.33
7. HPER	82	1	1	3	4	5	6	22	27	51	62	4.45
8. Home Economics	48	0	0	1	2	2	4	16	33	29	60	4.52
9. Industrial Education	25	1	4	1	4	3	12	12	48	8	32	4.00
10. LEM	15	0	0	0	0	4	27	2	13	9	60	4.33
11. Math, Comp Science	33	0	0	1	3	1	3	15	46	16	49	4.39
12. Music	72	2	3	6	8	7	10	29	40	28	39	4.04
13. Psychology	5	0	0	0	0	1	20	2	40	2	40	4.20
14. Science	36	0	0	2	6	2	6	15	42	17	47	4.31
15. Social Science	39	0	0	0	0	3	8	21	54	15	39	4.31
16. Special Educ	176	3	2	7	4	10	6	57	32	99	56	4.38
17. Speech	11	0	0	0	0	2	18	6	55	3	27	4.09
18. Speech & Hearing	42	0	0	0	0	3	7	4	10	35	83	4.76
TOTAL	899	7	1	33	4	62	7	320	36	477	53	4.36

χ^2 = 83.29 P= .1002 C= .29

Table 16

Item: 11. Controls disruptive or deviant pupil behavior objectively.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	3	8	6	15	18	46	12	31	4.00
2. Business	43	0	0	2	5	5	12	19	44	17	40	4.19
3. Distributive Ed	15	0	0	0	0	2	13	5	33	8	53	4.40
4. Elementary Education	161	1	1	5	3	14	4	65	40	76	47	4.30
5. English	40	1	3	2	5	2	5	21	53	14	35	4.13
6. Foreign Language	15	1	7	1	7	1	7	7	47	5	33	3.93
7. HPER	83	0	0	5	6	5	6	38	46	35	42	4.24
8. Home Economics	48	1	2	1	2	7	15	26	54	13	27	4.02
9. Industrial Education	25	1	4	1	4	2	8	17	68	4	16	3.88
10. LEM	15	0	0	1	7	3	20	8	53	3	20	3.87
11. Math, Comp Science	33	1	3	0	0	7	21	13	39	12	36	4.06
12. Music	73	4	6	6	8	12	16	33	45	18	25	3.75
13. Psychology	5	0	0	1	20	1	20	1	20	2	40	3.80
14. Science	36	0	0	3	8	6	17	15	42	12	33	4.00
15. Social Science	39	0	0	1	3	4	10	17	44	17	44	4.28
16. Special Educ	176	4	2	9	5	14	8	68	39	81	46	4.21
17. Speech	11	0	0	1	9	2	18	6	55	2	18	3.82
18. Speech & Hearing	40	0	0	1	3	5	13	8	20	26	65	4.48
TOTAL	897	14	2	43	5	98	11	385	43	357	40	4.15

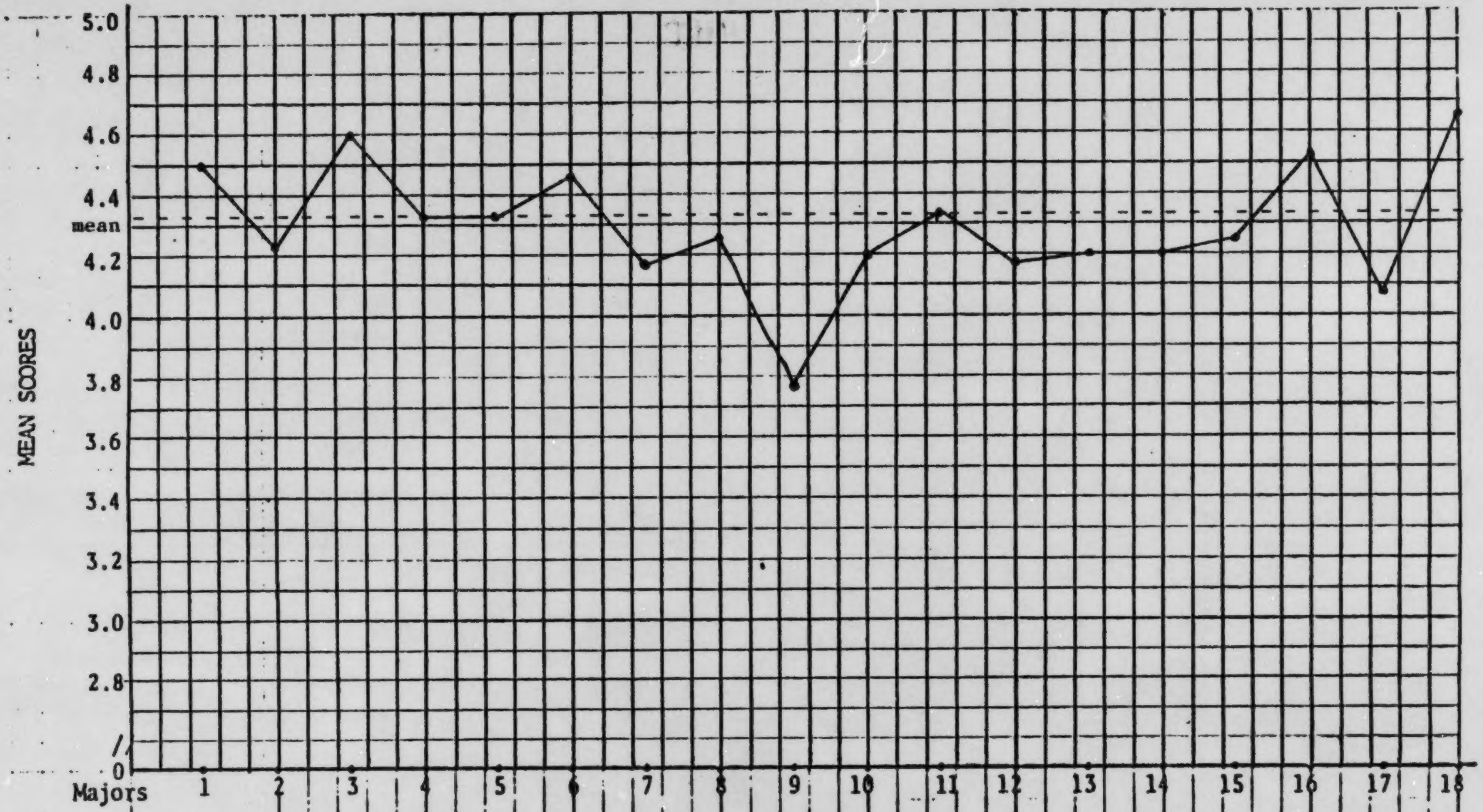
$\chi^2 = 84.60$ p= .08 C= .29

Table 17

Item: 12. Selects goals and objectives appropriate to pupil needs.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	3	8	11	28	25	63	4.50
2. Business	43	0	0	0	0	7	16	19	44	17	40	4.23
3. Distributive Ed	15	0	0	0	0	0	0	6	40	9	60	4.60
4. Elementary Education	162	0	0	3	2	12	7	76	47	71	44	4.33
5. English	39	0	0	2	5	1	3	18	46	18	46	4.33
6. Foreign Language	15	0	0	1	7	0	0	5	33	9	60	4.47
7. HPER	83	2	2	3	4	9	11	34	41	35	42	4.17
8. Home Economics	48	1	2	0	0	4	8	24	50	19	40	4.25
9. Industrial Education	25	0	0	3	12	4	16	14	56	4	16	3.76
10. LEM	15	0	0	0	0	1	7	10	67	4	27	4.20
11. Math, Comp Science	33	0	0	0	0	3	9	16	49	14	43	4.33
12. Music	73	0	0	3	4	9	12	33	45	28	38	4.18
13. Psychology	5	0	0	0	0	0	0	4	80	1	20	4.20
14. Science	35	0	0	1	3	6	17	13	37	15	43	4.20
15. Social Science	39	0	0	0	0	4	10	21	54	14	36	4.26
16. Special Educ	176	1	1	4	2	4	2	58	33	109	62	4.53
17. Speech	12	0	0	0	0	3	25	5	42	4	33	4.08
18. Speech & Hearing	43	0	0	0	0	3	7	9	21	31	72	4.65
TOTAL	901	4	0	21	2	73	8	376	42	427	48	4.33

$\chi^2 = 109.12$ P= .0012 C= .33



Item 12. Selects goals and objectives appropriate to pupil needs.

CODE FOR MAJORS

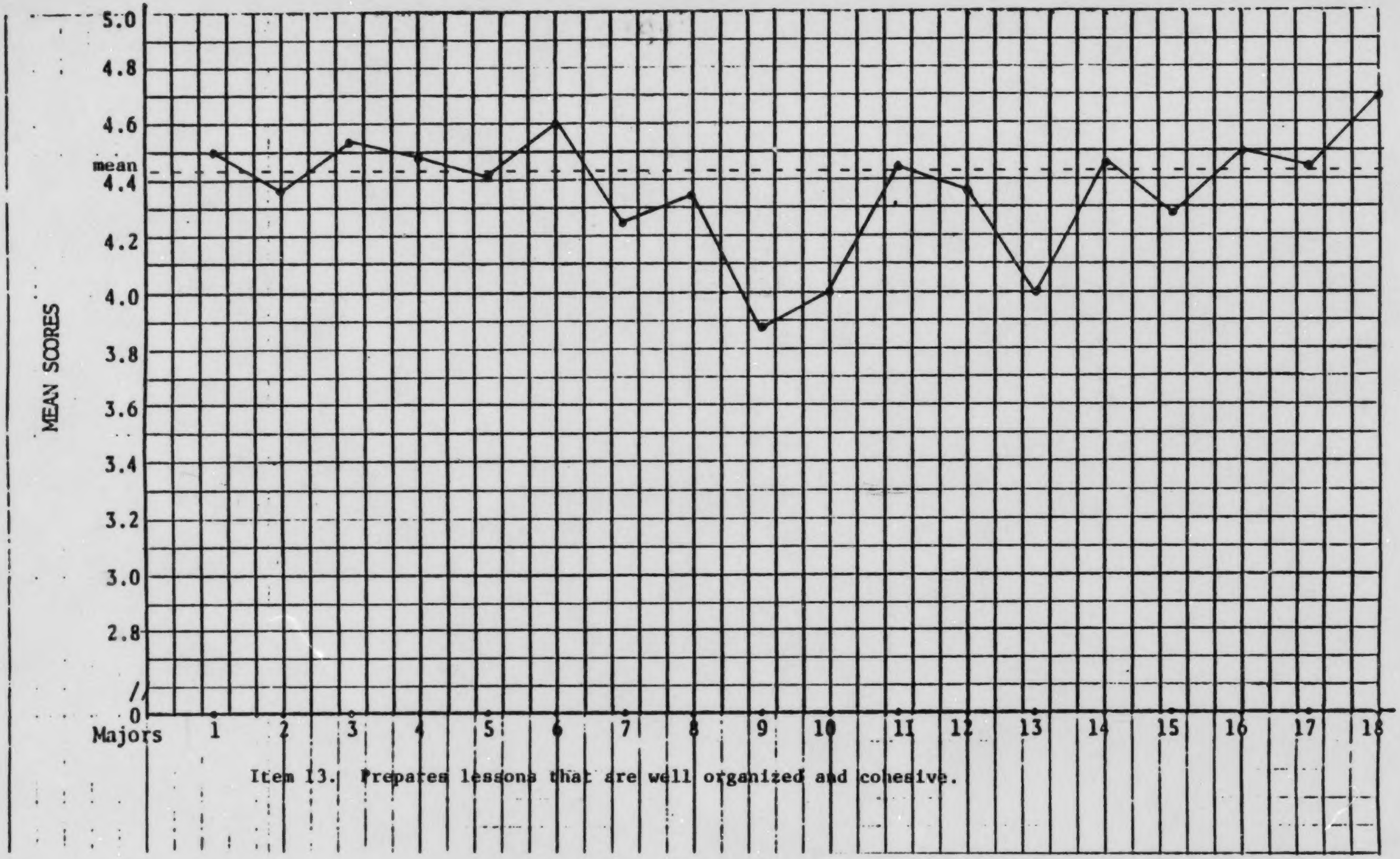
1. Art	5. English	9. Industrial Ed	13. Psychology	17. Speech
2. Business	6. Foreign Lang	10. LEM	14. Science	18. Speech & Hearing
3. Distributive Ed	7. HPER	11. Math, Comp Sci	15. Social Science	
4. Elementary Ed	8. Home Ec	12. Music	16. Special Ed	

Table 18

Item: 13. Prepares lessons that are well organized and cohesive.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	3	8	14	35	23	58	4.50
2. Business	43	0	0	0	0	5	12	17	40	21	49	4.37
3. Distributive Ed	15	0	0	0	0	1	7	5	33	9	60	4.53
4. Elementary Education	162	0	0	0	0	14	9	54	33	94	58	4.49
5. English	39	0	0	0	0	6	15	11	28	22	56	4.41
6. Foreign Language	15	0	0	0	0	1	7	4	27	10	67	4.60
7. HPER	83	3	4	1	1	9	11	29	35	41	49	4.25
8. Home Economics	47	1	2	0	0	3	6	21	45	22	47	4.34
9. Industrial Education	24	0	0	2	8	7	29	7	29	8	33	3.88
10. LEM	13	0	0	0	0	3	23	7	54	3	23	4.00
11. Math, Comp Science	33	0	0	0	0	4	12	10	30	19	58	4.45
12. Music	73	1	1	1	1	8	11	23	32	40	55	4.37
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	36	0	0	1	3	3	8	10	28	22	61	4.47
15. Social Science	39	0	0	1	3	4	10	17	44	17	44	4.28
16. Special Educ	175	0	0	4	2	7	4	52	30	112	64	4.55
17. Speech	11	0	0	1	9	1	9	1	9	8	73	4.45
18. Speech & Hearing	43	0	0	0	0	4	9	5	12	34	79	4.70
TOTAL	896	5	1	11	1	84	9	290	32	506	57	4.43

χ^2 = 98.84 p= .009 C=.32



Item 13. Prepares lessons that are well organized and cohesive.

CODE FOR MAJORS

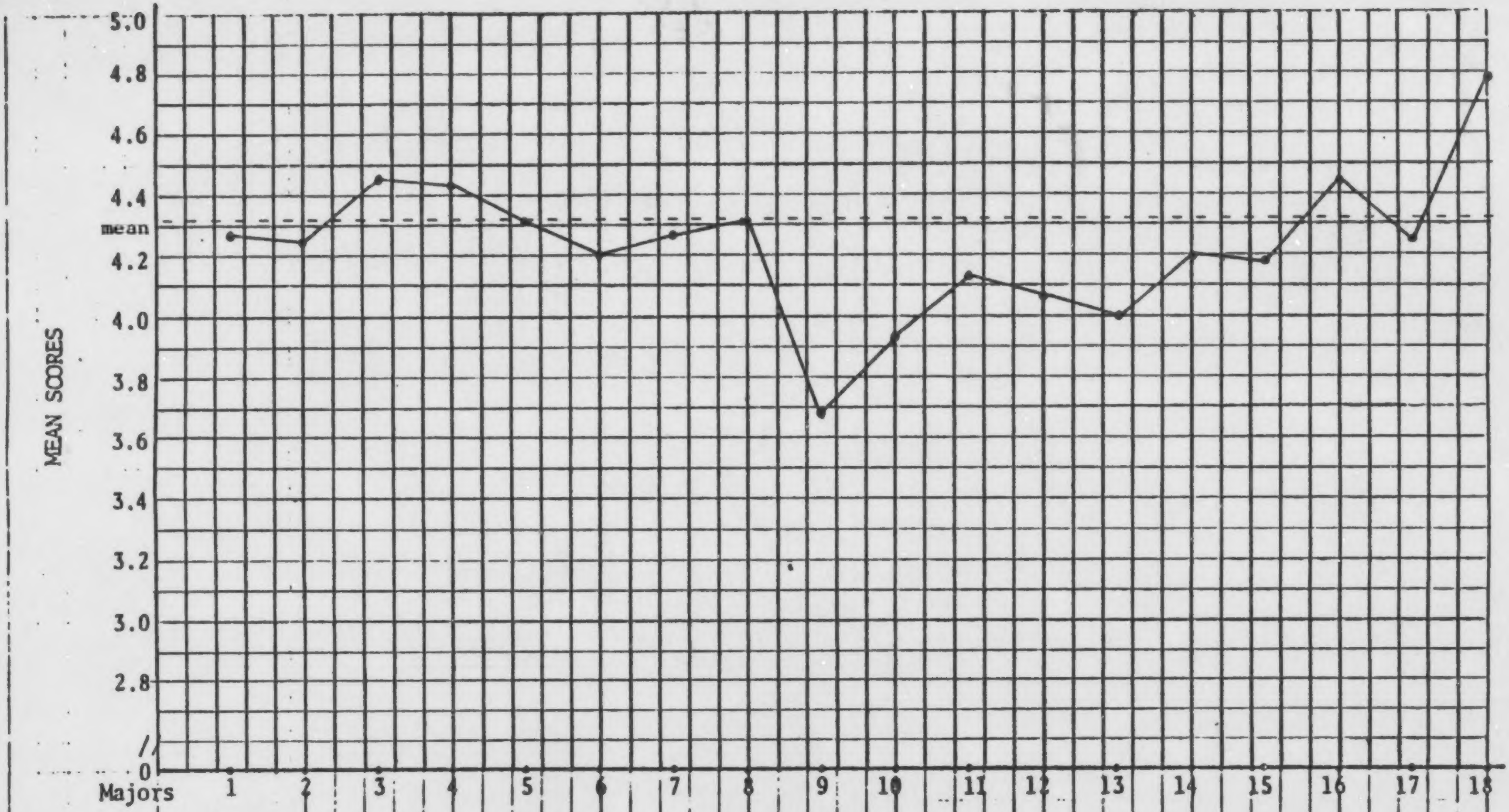
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 19

Item: 14. Promotes self-awareness and positive self-image in pupils.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	1	3	24	60	14	35	4.28
2. Business	43	0	0	0	0	7	16	18	42	18	42	4.26
3. Distributive Ed	15	0	0	0	0	2	13	4	27	9	60	4.47
4. Elementary Education	161	0	0	2	1	11	7	64	40	84	52	4.43
5. English	39	0	0	2	5	4	10	13	33	20	51	4.31
6. Foreign Language	15	1	7	0	0	1	7	6	40	7	47	4.20
7. HPER	83	2	2	1	1	8	10	34	41	38	46	4.27
8. Home Economics	48	0	0	2	4	2	4	23	48	21	44	4.31
9. Industrial Education	25	0	0	3	12	6	24	12	48	4	16	3.68
10. LEM	13	0	0	0	0	3	23	8	62	2	15	3.92
11. Math, Comp Science	32	0	0	3	9	4	13	11	34	14	44	4.13
12. Music	74	1	1	1	1	15	20	31	42	26	35	4.08
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	35	0	0	1	3	6	17	13	37	15	43	4.20
15. Social Science	39	0	0	0	0	7	18	18	46	14	36	4.18
16. Special Educ	175	2	1	4	2	10	6	57	33	102	58	4.45
17. Speech	12	0	0	1	8	1	8	4	33	6	50	4.25
18. Speech & Hearing	42	0	0	0	0	1	2	7	17	34	81	4.79
TOTAL	896	6	1	21	2	90	10	350	39	429	48	4.31

$\chi^2 = 122.95$ p= .0001 C= .35



Item 14. Promotes self-awareness and positive self-image in pupils.

CODE FOR MAJORS

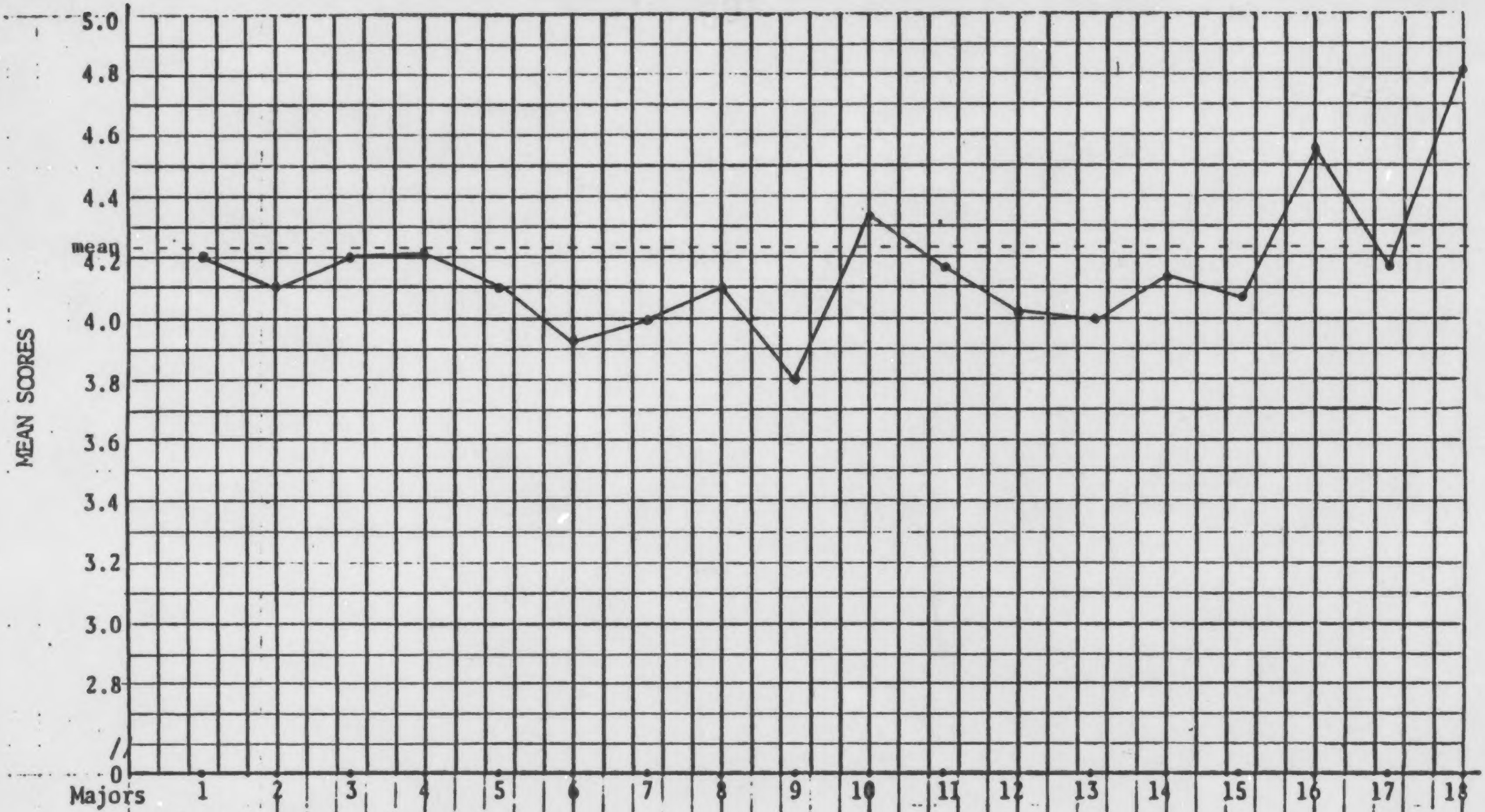
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 20

Item: 15. Modifies instruction appropriate to identified learner needs.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	3	8	23	58	13	33	4.20
2. Business	42	0	0	2	5	4	10	24	57	12	29	4.10
3. Distributive Ed	15	0	0	0	0	1	7	10	67	4	27	4.20
4. Elementary Education	161	1	1	4	3	19	12	74	46	63	39	4.21
5. English	40	0	0	2	5	6	15	18	45	14	35	4.10
6. Foreign Language	15	1	7	2	13	0	0	6	40	6	40	3.93
7. HPER	83	1	1	4	5	12	15	42	51	24	29	4.01
8. Home Economics	48	1	2	0	0	4	8	31	65	12	25	4.10
9. Industrial Education	25	0	0	1	4	7	28	13	52	4	16	3.80
10. LEM	12	0	0	0	0	0	0	8	67	4	33	4.33
11. Math, Comp Science	33	0	0	0	0	6	18	15	46	12	36	4.18
12. Music	74	0	0	4	5	11	15	38	51	21	28	4.03
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	36	0	0	0	0	8	22	15	42	13	36	4.14
15. Social Science	39	0	0	0	0	10	26	16	41	13	33	4.08
16. Special Educ	175	0	0	6	3	6	3	45	26	118	67	4.57
17. Speech	11	0	0	0	0	2	18	5	46	4	36	4.18
18. Speech & Hearing	43	0	0	0	0	1	2	6	14	36	84	4.81
TOTAL	897	4	0	26	3	101	11	392	44	374	42	4.23

χ^2 = 176.78 p= .00 C= .41



Item 15. Modifies instruction appropriate to identified learner needs.

CODE FOR MAJORS

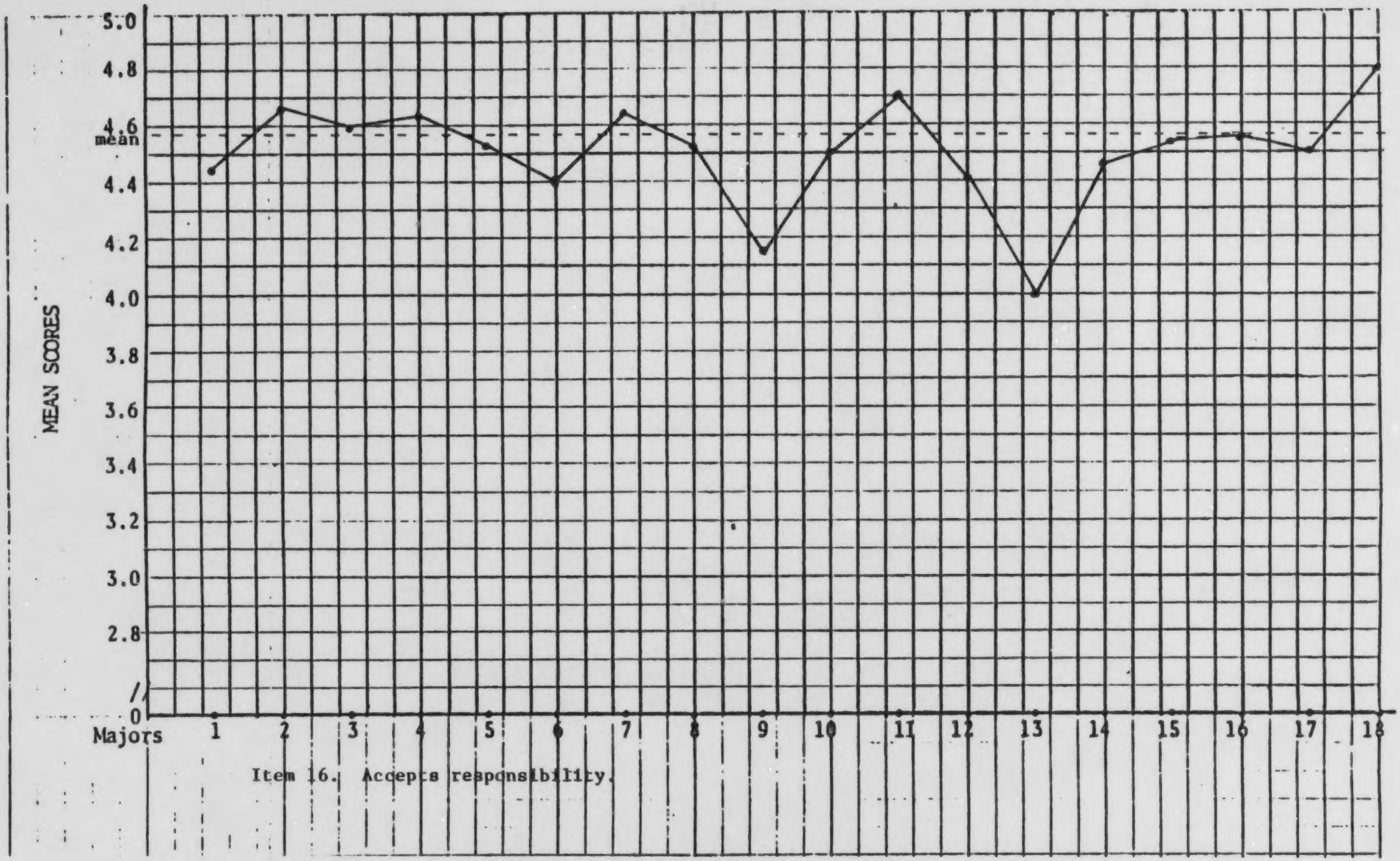
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 21

Item: 16. Accepts responsibility.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	2	5	2	5	12	30	24	60	4.45
2. Business	43	0	0	0	0	1	2	12	28	30	70	4.67
3. Distributive Ed	15	0	0	1	7	0	0	3	20	11	73	4.60
4. Elementary Education	163	0	0	3	2	5	3	39	24	116	71	4.64
5. English	38	1	3	1	3	3	[illegible]	5	13	28	74	4.53
6. Foreign Language	15	0	0	1	7	1	7	4	27	9	60	4.40
7. HPER	84	1	1	2	2	1	1	18	21	62	74	4.64
8. Home Economics	48	1	2	0	0	4	8	11	23	32	67	4.52
9. Industrial Education	25	0	0	3	12	4	16	4	16	14	56	4.16
10. LEM	16	0	0	0	0	1	6	6	38	9	56	4.50
11. Math, Comp Science	33	0	0	0	0	2	6	6	18	25	76	4.70
12. Music	74	2	3	2	3	6	8	18	24	46	62	4.41
13. Psychology	4	1	25	0	0	0	0	0	0	3	75	4.00
14. Science	36	0	0	0	0	6	17	7	19	23	64	4.47
15. Social Science	38	0	0	0	0	5	13	8	21	25	66	4.53
16. Special Educ	176	1	1	6	3	8	5	41	23	120	68	4.55
17. Speech	12	0	0	0	0	1	8	4	33	7	58	4.50
18. Speech & Hearing	44	0	0	1	2	1	2	4	9	38	86	4.80
TOTAL	904	7	1	22	2	51	6	202	22	622	69	4.56

$\chi^2 = 102.70$ p= .004 C= .32



Item 16. Accepts responsibility.

CODE FOR MAJORS

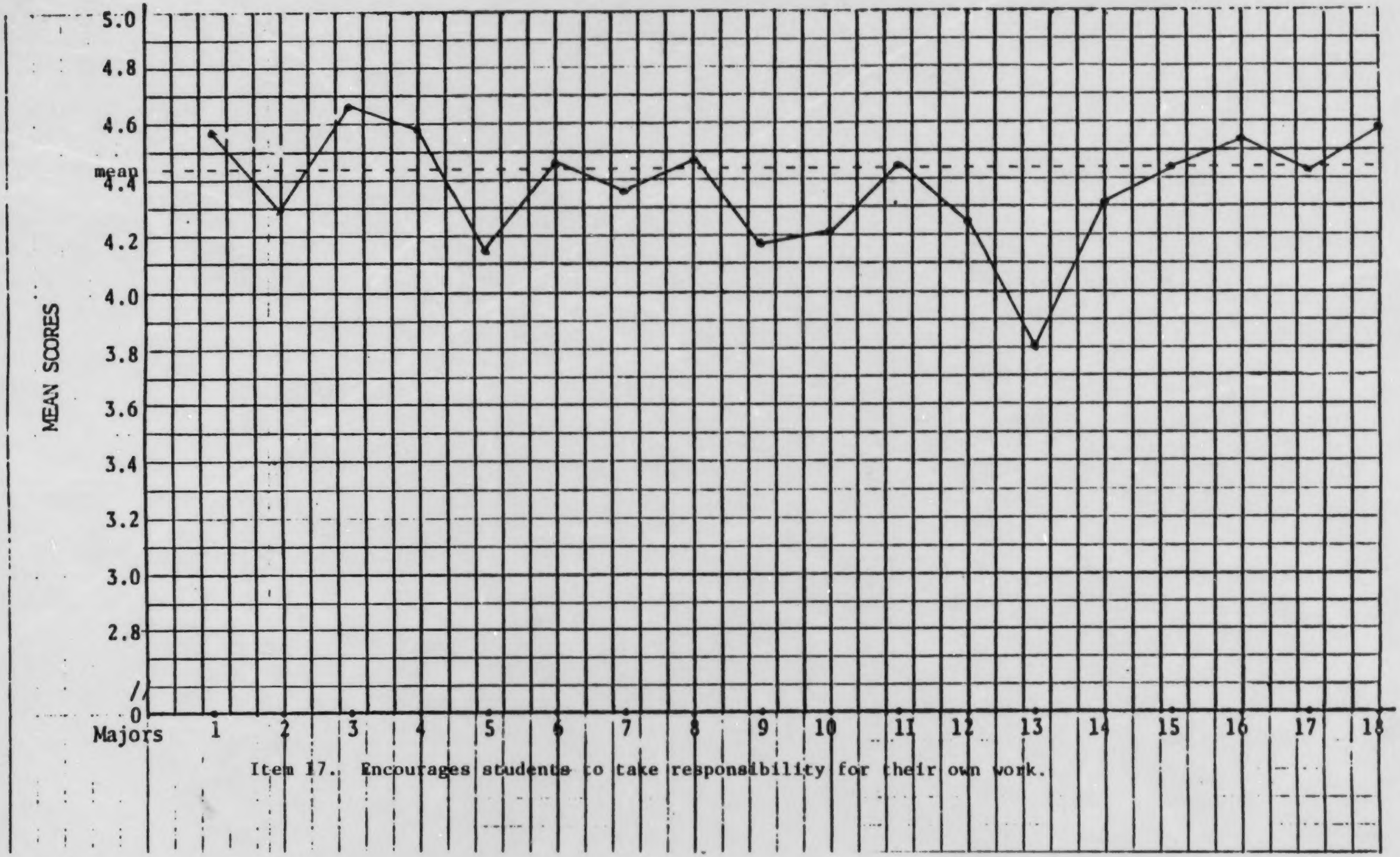
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 22

Item: 17. Encourages students to take responsibility for their own work.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	3	8	11	28	26	65	4.58
2. Business	43	0	0	1	2	6	14	15	35	21	49	4.30
3. Distributive Ed	15	0	0	1	7	1	7	0	0	13	87	4.67
4. Elementary Education	162	0	0	0	0	4	3	58	36	100	62	4.59
5. English	40	0	0	2	5	7	18	15	38	16	40	4.13
6. Foreign Language	15	0	0	1	7	1	7	3	20	10	67	4.47
7. HPER	83	1	1	0	0	5	6	39	47	38	46	4.36
8. Home Economics	48	0	0	0	0	2	4	21	44	25	52	4.48
9. Industrial Education	24	0	0	2	8	2	8	10	42	10	42	4.17
10. LEM	14	0	0	0	0	1	7	9	64	4	29	4.21
11. Math, Comp Science	33	0	0	1	3	3	9	9	27	20	61	4.45
12. Music	73	0	0	0	0	10	14	35	48	28	38	4.25
13. Psychology	5	1	20	0	0	0	0	2	40	2	40	3.80
14. Science	36	0	0	0	0	4	11	17	47	15	42	4.31
15. Social Science	39	0	0	0	0	2	5	18	46	19	49	4.44
16. Special Educ	174	0	0	5	3	5	3	57	33	107	62	4.53
17. Speech	12	0	0	0	0	0	0	7	58	5	42	4.42
18. Speech & Hearing	43	0	0	0	0	4	9	10	23	29	67	4.58
TOTAL	899	2	0	13	1	60	7	336	37	488	54	4.44

$\chi^2 = 191.83$ $p = 0.00$ $C = .42$



Item 17. Encourages students to take responsibility for their own work.

CODE FOR MAJORS

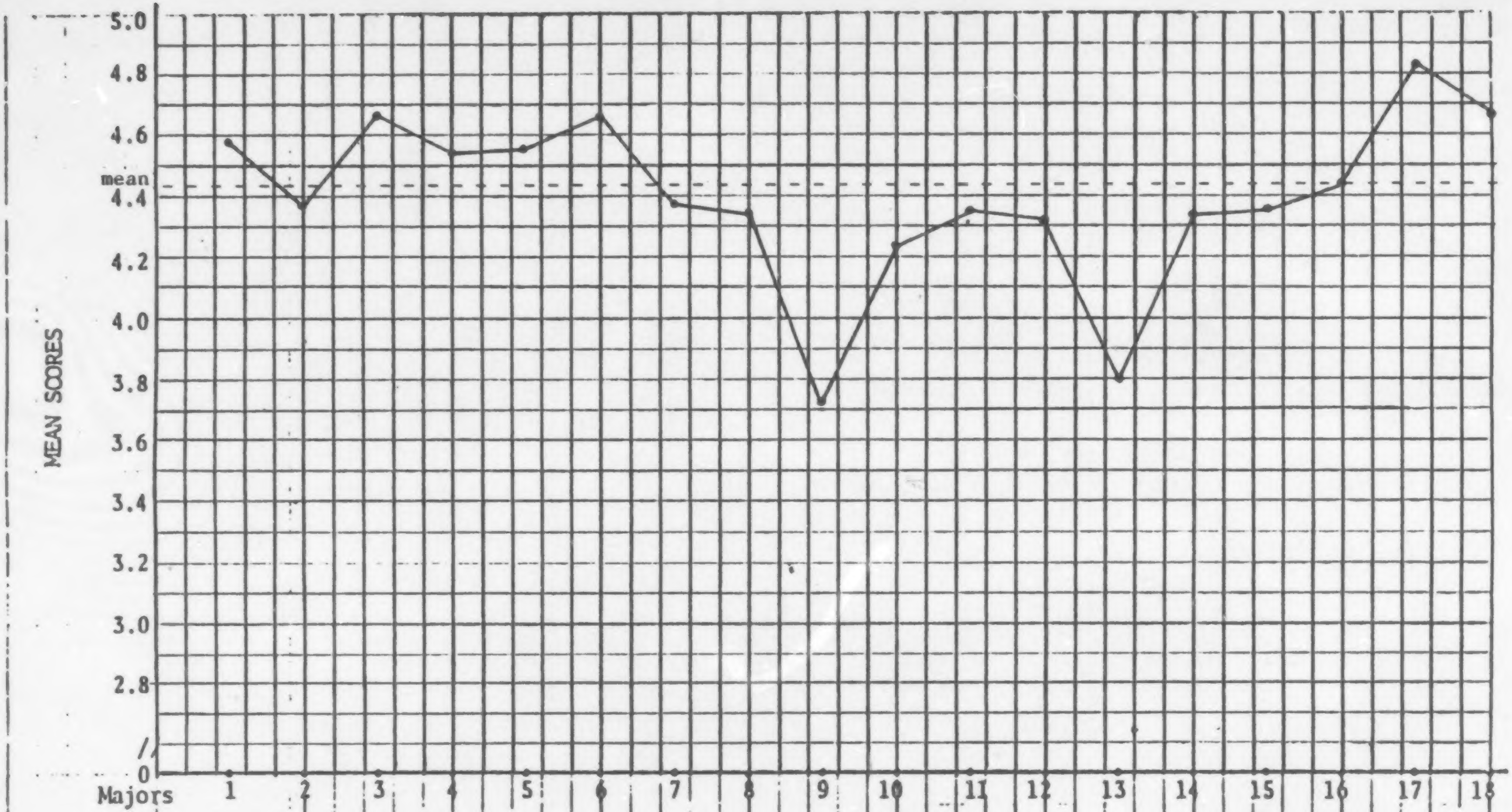
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 23

Item: 18. Uses acceptable written and oral expression with learners.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	1	3	15	38	24	60	4.58
2. Business	43	0	0	1	2	2	5	20	47	20	47	4.37
3. Distributive Ed	15	0	0	0	0	0	0	5	33	10	67	4.67
4. Elementary Education	163	0	0	1	1	7	4	58	36	97	60	4.54
5. English	40	0	0	0	0	1	3	16	40	23	58	4.55
6. Foreign Language	15	0	0	0	0	1	7	3	20	11	73	4.67
7. HPER	82	1	1	1	1	4	5	36	44	40	49	4.38
8. Home Economics	48	0	0	1	2	3	6	22	46	22	46	4.35
9. Industrial Education	25	0	0	2	8	7	28	12	48	4	16	3.72
10. LEM	13	0	0	0	0	0	0	10	77	3	23	4.23
11. Math, Comp Science	33	0	0	1	3	3	9	12	36	17	52	4.36
12. Music	74	0	0	1	1	11	15	25	34	37	50	4.32
13. Psychology	5	0	0	1	20	1	20	1	20	2	40	3.80
14. Science	36	0	0	1	3	3	8	15	42	17	47	4.33
15. Social Science	39	0	0	0	0	4	10	17	44	18	46	4.36
16. Special Educ	175	2	1	4	2	11	6	56	32	102	58	4.44
17. Speech	12	0	0	0	0	0	0	2	17	10	83	4.83
18. Speech & Hearing	43	0	0	0	0	4	9	6	14	33	77	4.67
TOTAL	901	3	0	14	2	63	7	331	37	490	54	4.43

χ^2 = 105.70 p= .002 C= .17



Item 18. Uses acceptable written and oral expression with learners.

CODE FOR MAJORS

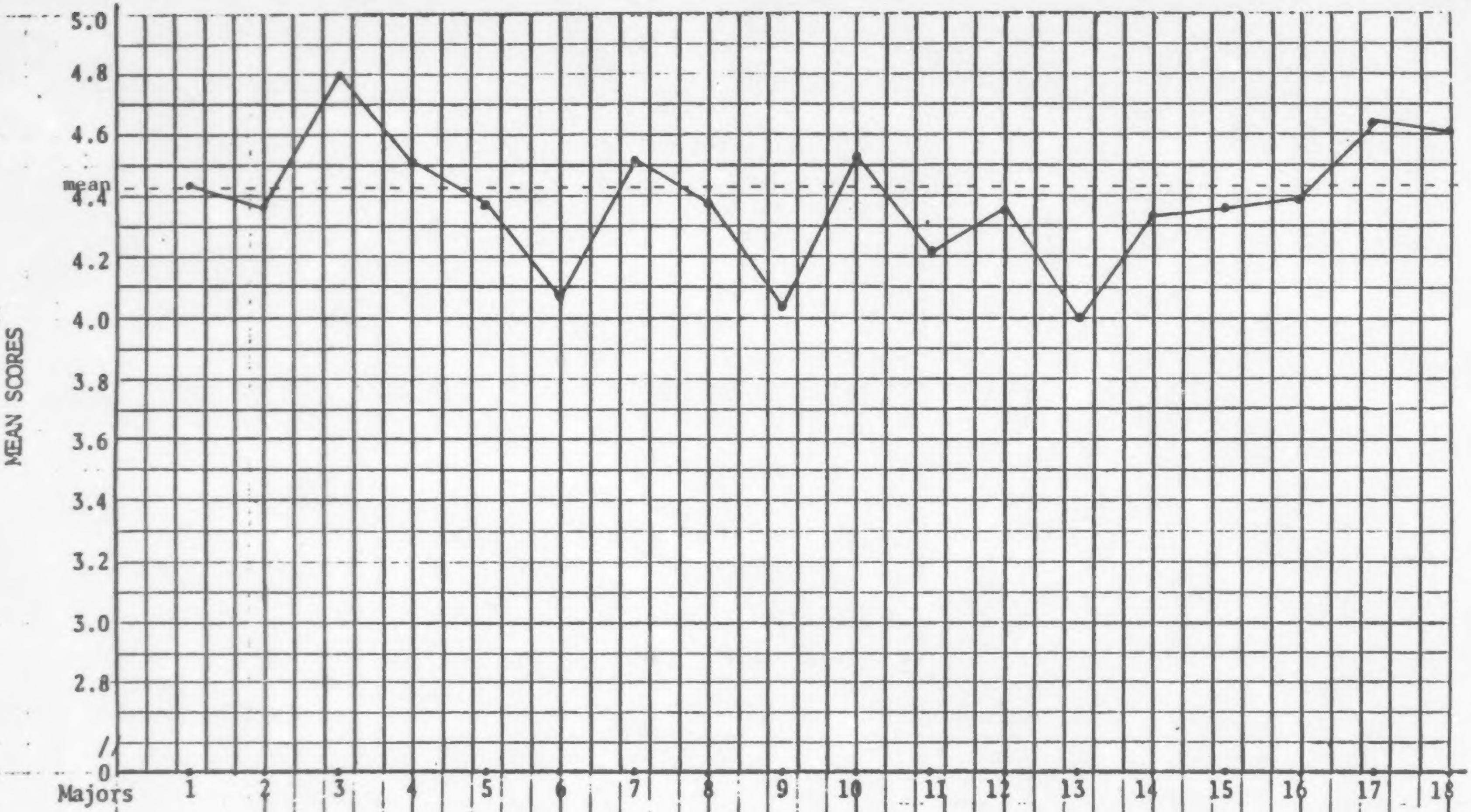
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 24

Item: 19. Demonstrates ability to work with individuals, small groups, and large groups.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	2	5	16	40	21	53	4.43
2. Business	43	0	0	0	0	6	14	15	35	22	51	4.37
3. Distributive Ed	15	0	0	0	0	0	0	3	20	12	80	4.80
4. Elementary Education	162	0	0	2	1	10	6	54	33	96	59	4.51
5. English	39	0	0	1	3	2	5	17	44	19	49	4.38
6. Foreign Language	14	1	7	2	14	0	0	3	21	8	57	4.07
7. HPER	83	0	0	2	2	2	2	30	36	49	59	4.52
8. Home Economics	48	0	0	1	2	1	2	25	52	21	44	4.38
9. Industrial Education	25	0	0	0	0	7	28	10	40	8	32	4.04
10. LEM	15	0	0	0	0	0	0	7	47	8	53	4.53
11. Math, Comp Science	33	0	0	1	3	3	9	17	52	12	36	4.21
12. Music	74	0	0	6	8	7	10	15	20	46	62	4.36
13. Psychology	5	0	0	0	0	2	40	1	20	2	40	4.00
14. Science	36	0	0	0	0	4	11	16	44	16	44	4.33
15. Social Science	39	0	0	0	0	4	10	17	44	18	46	4.36
16. Special Educ	173	0	0	7	4	17	10	50	29	99	57	4.39
17. Speech	11	0	0	0	0	1	9	2	18	8	73	4.64
18. Speech & Hearing	38	0	0	0	0	5	13	5	13	28	74	4.61
TOTAL	893	1	0	23	3	73	8	303	34	493	55	4.42

$\chi^2 = 160.11$ $p = 0.00$ $C = .39$



Item 19. Demonstrates ability to work with individuals, small groups, and large groups.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

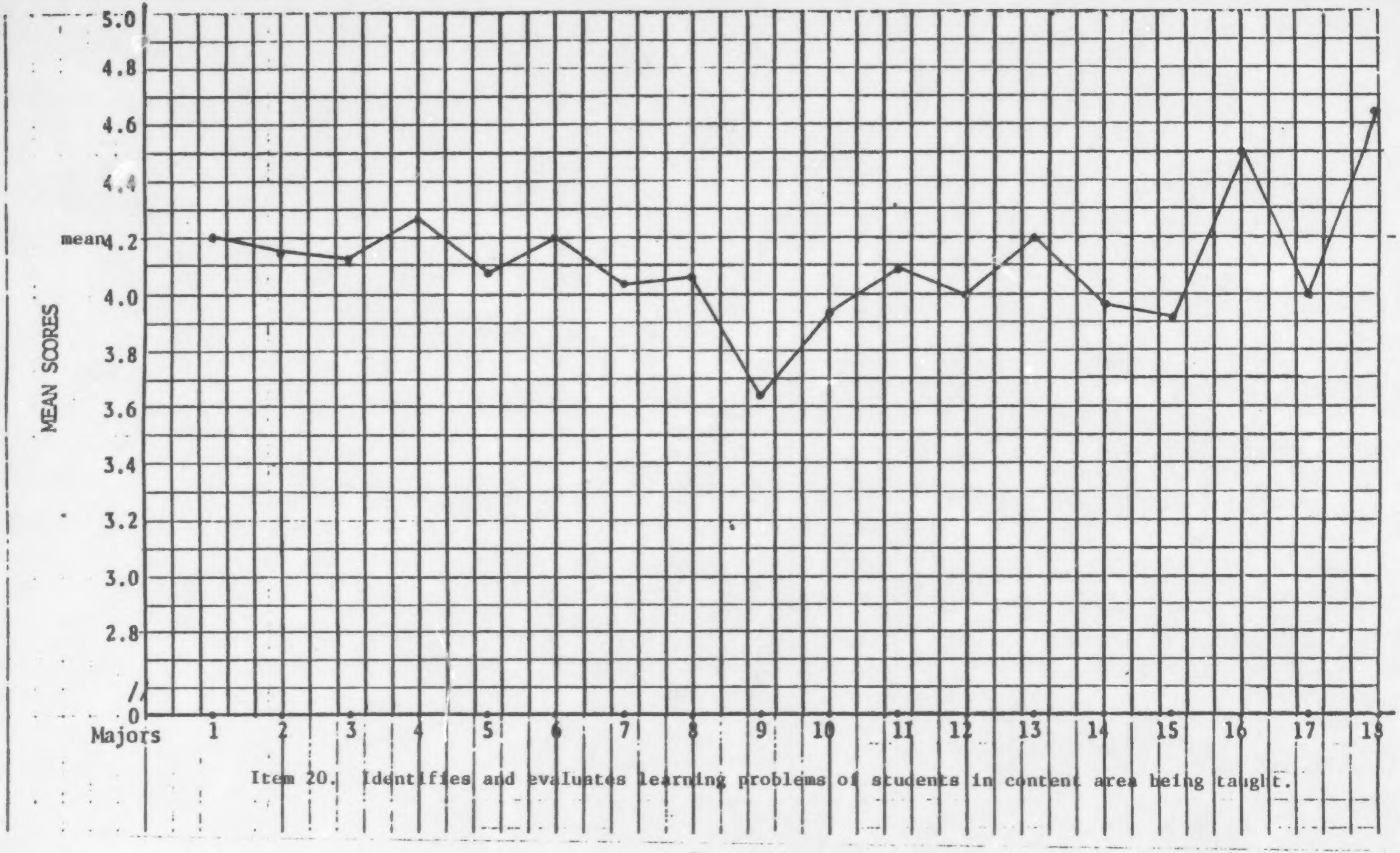
Table 25

Item: 20. Identifies and evaluates learning problems of students in content area being taught.

Responses

	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	40	0	0	0	0	5	13	22	55	13	33	4.20
2. Business	43	0	0	0	0	7	16	22	51	14	33	4.16
3. Distributive Ed	15	0	0	0	0	1	7	11	73	3	20	4.13
4. Elementary Education	161	0	0	2	1	17	11	76	47	66	41	4.28
5. English	40	0	0	3	8	4	10	20	50	13	33	4.08
6. Foreign Language	15	0	0	2	13	0	0	6	40	7	47	4.20
7. HPER	82	1	1	2	2	14	17	41	50	24	29	4.04
8. Home Economics	48	0	0	1	2	7	15	28	58	12	25	4.06
9. Industrial Education	25	0	0	0	0	12	48	10	40	3	12	3.64
10. LEM	13	0	0	0	0	4	31	6	46	3	23	3.92
11. Math, Comp Science	33	0	0	0	0	8	24	14	42	11	33	4.09
12. Music	73	0	0	3	4	19	26	26	36	25	34	4.00
13. Psychology	5	0	0	0	0	1	20	2	40	2	40	4.20
14. Science	35	0	0	1	3	10	29	13	37	11	31	3.97
15. Social Science	39	0	0	0	0	13	33	16	41	10	26	3.92
16. Special Educ	176	0	0	3	2	8	5	63	36	102	58	4.50
17. Speech	12	0	0	1	8	2	17	5	42	4	33	4.00
18. Speech & Hearing	41	0	0	0	0	5	12	5	12	31	76	4.63
TOTAL	896	1	0	18	2	137	15	386	43	354	40	4.20

χ^2 = 162.78 p= 0.00 C=.39



Item 20. Identifies and evaluates learning problems of students in content area being taught.

CODE FOR MAJORS

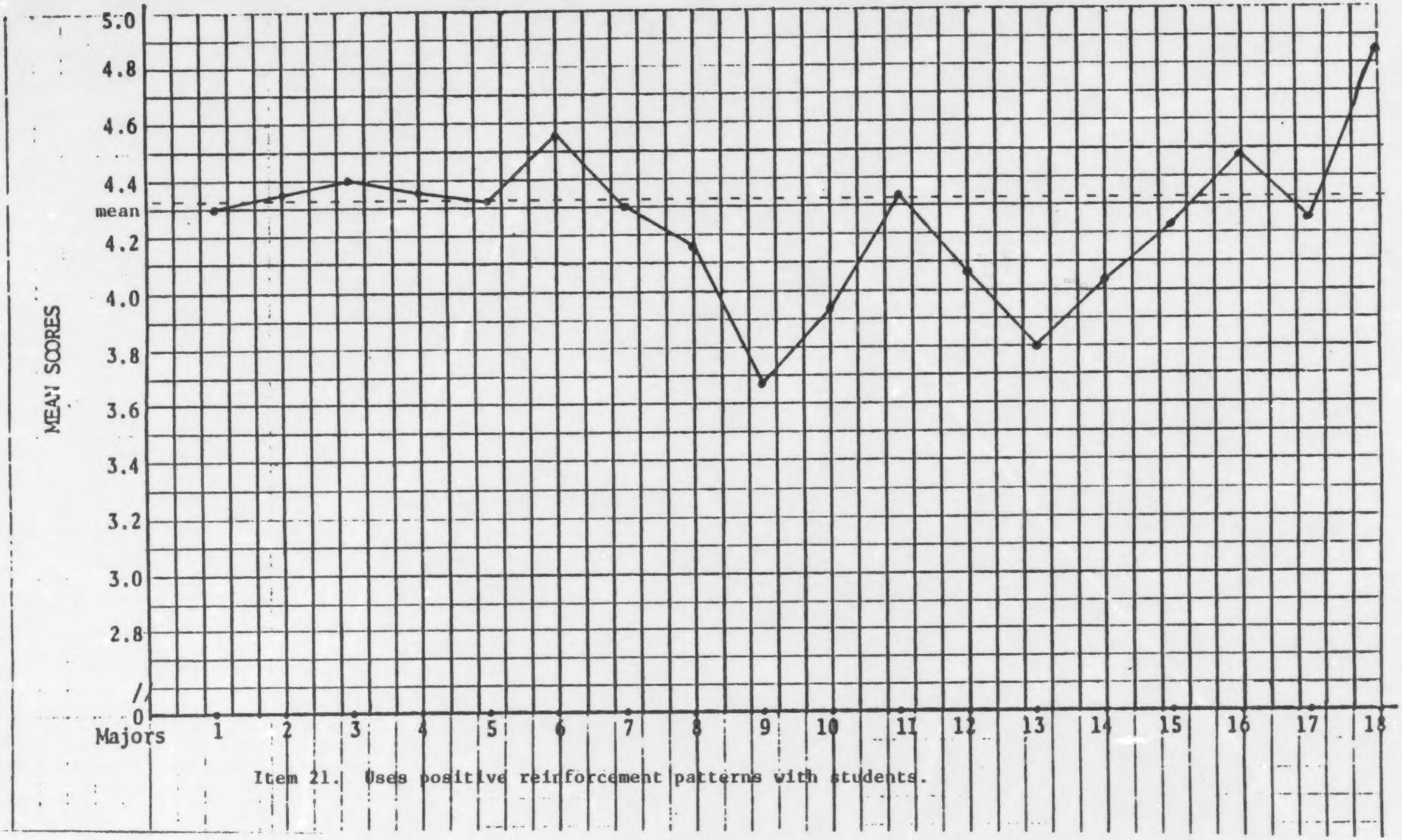
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 26

Item: 21. Uses positive reinforcement patterns with students.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	0	0	3	8	18	45	18	45	4.30
2. Business	43	0	0	1	3	3	7	19	44	20	47	4.35
3. Distributive Ed	15	0	0	0	0	2	13	5	33	8	53	4.40
4. Elementary Education	160	0	0	3	2	10	6	73	46	74	46	4.36
5. English	40	0	0	0	0	5	13	17	43	18	45	4.33
6. Foreign Language	14	0	0	0	0	2	14	2	14	10	71	4.57
7. HPER	83	2	2	1	1	8	10	31	37	41	49	4.30
8. Home Economics	47	0	0	1	2	4	9	28	60	14	30	4.17
9. Industrial Education	25	0	0	3	12	5	20	14	56	3	12	3.68
10. LEM	14	0	0	0	0	3	21	9	64	2	14	3.93
11. Math, Comp Science	33	0	0	0	0	4	12	14	42	15	46	4.33
12. Music	74	0	0	5	7	8	11	38	51	23	31	4.07
13. Psychology	5	1	20	0	0	0	0	2	40	2	40	3.80
14. Science	36	0	0	2	6	7	19	15	42	12	33	4.03
15. Social Science	39	0	0	0	0	3	8	24	62	12	31	4.23
16. Special Educ	176	1	1	7	4	3	2	61	35	104	59	4.48
17. Speech	12	0	0	0	0	1	8	7	58	4	33	4.25
18. Speech & Hearing	43	0	0	0	0	1	2	5	12	37	86	4.84
TOTAL	899	5	1	23	3	72	8	382	43	417	46	4.32

χ^2 = 168.25 p= 0.00 C= .40



Item 21. Uses positive reinforcement patterns with students.

CODE FOR MAJORS

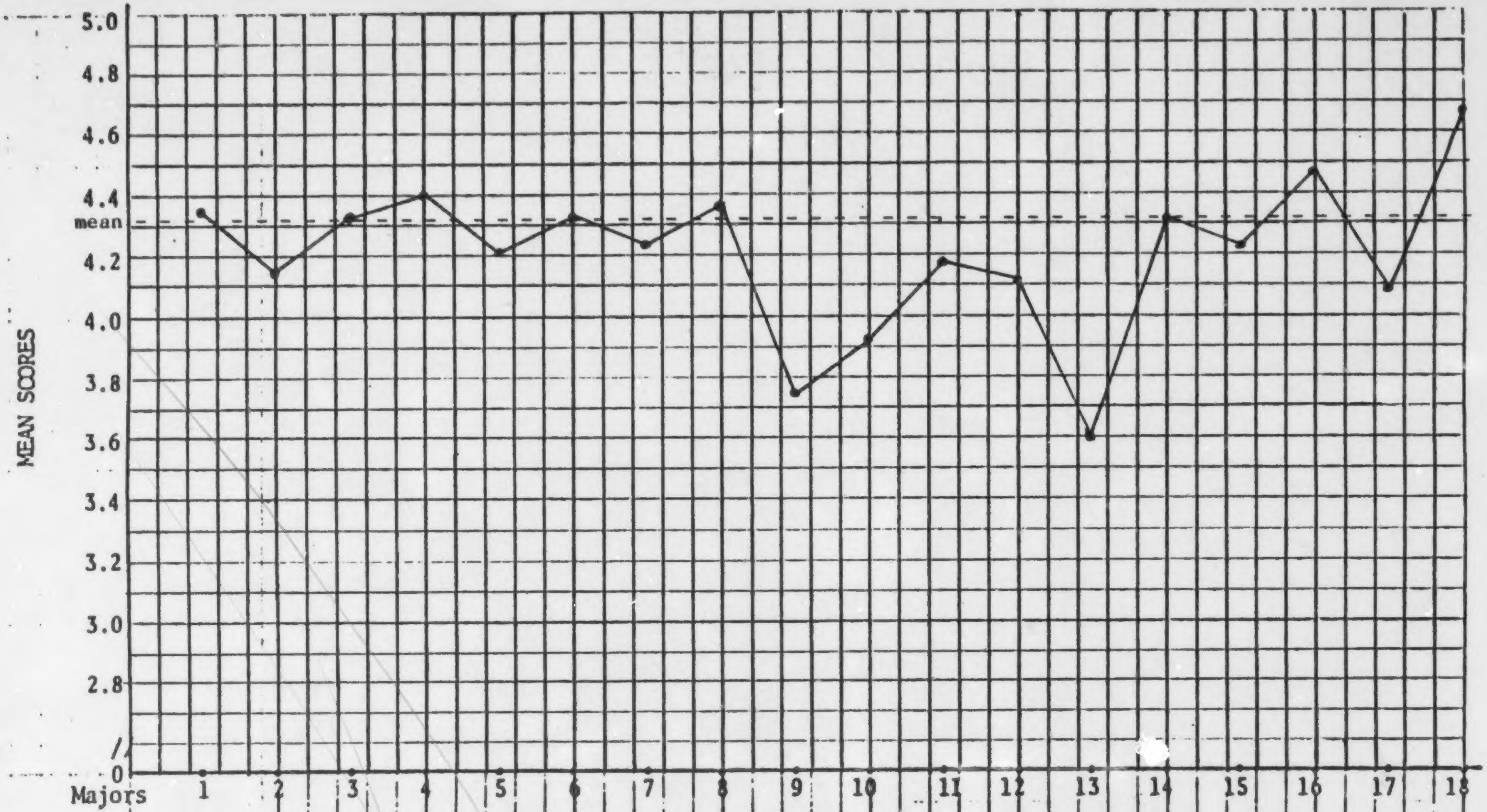
1.	Art	5.	English	9.	Industrial Ed	13.	Psychology	17.	Speech
2.	Business	6.	Foreign Lang	10.	LEM	14.	Science	18.	Speech & Hearing
3.	Distributive Ed	7.	HPER	11.	Math, Comp Sci	15.	Social Science		
4.	Elementary Ed	8.	Home Ec	12.	Music	16.	Special Ed		

Table 27

Item: 22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	4	10	15	38	20	50	4.35
2. Business	43	0	0	1	3	6	14	21	49	15	35	4.16
3. Distributive Ed	15	0	0	0	0	2	13	6	40	7	47	4.33
4. Elementary Education	159	0	0	3	2	11	7	65	41	80	50	4.40
5. English	39	0	0	1	3	7	18	14	36	17	44	4.21
6. Foreign Language	15	1	7	0	0	1	7	4	27	9	60	4.33
7. HPER	83	2	2	1	1	10	12	32	39	38	46	4.24
8. Home Economics	47	0	0	2	4	3	6	17	36	25	53	4.38
9. Industrial Education	24	1	4	1	4	6	25	11	46	5	21	3.75
10. LEM	13	0	0	0	0	4	31	6	46	3	23	3.92
11. Math, Comp Science	33	0	0	0	0	6	18	15	46	12	36	4.18
12. Music	73	0	0	3	4	12	16	31	43	27	37	4.12
13. Psychology	5	0	0	1	20	2	40	0	0	2	40	3.60
14. Science	36	0	0	0	0	4	11	17	47	15	42	4.31
15. Social Science	39	0	0	1	3	6	15	15	39	17	44	4.23
16. Special Educ	176	0	0	5	3	11	6	54	31	106	60	4.48
17. Speech	11	0	0	1	9	0	0	7	64	3	27	4.09
18. Speech & Hearing	43	0	0	1	2	3	7	5	12	34	79	4.67
TOTAL	894	4	0	22	3	98	11	335	38	435	49	4.31

χ^2 = 117.80 p= .0002 C= .34



Item 22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.

CODE FOR MAJORS

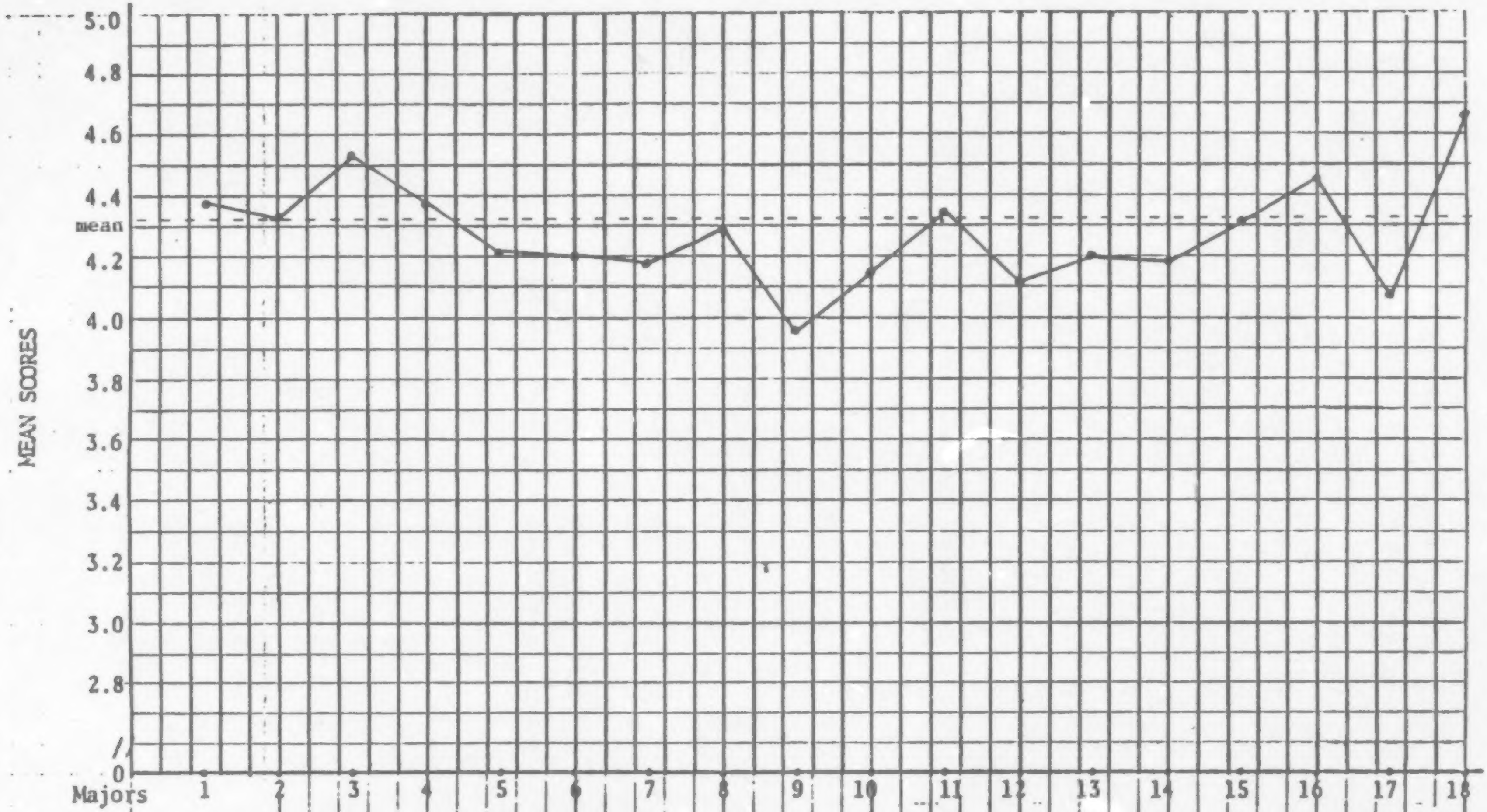
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 28

Item: 23. Has realistic expectations for student learning.

	Responses											
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	1	3	20	50	18	45	4.38
2. Business	43	0	0	0	0	3	7	23	54	17	40	4.33
3. Distributive Ed	15	0	0	0	0	1	7	5	33	9	60	4.53
4. Elementary Education	162	0	0	0	0	11	7	78	48	73	45	4.38
5. English	39	0	0	3	8	2	5	18	46	16	41	4.21
6. Foreign Language	15	1	7	0	0	2	13	4	28	8	53	4.20
7. HPER	82	1	1	5	6	4	5	40	49	32	39	4.18
8. Home Economics	48	0	0	1	2	3	6	25	52	19	40	4.29
9. Industrial Education	25	0	0	1	4	6	24	11	44	7	28	3.96
10. LEM	14	0	0	0	0	2	14	8	57	4	29	4.14
11. Math, Comp Science	33	0	0	0	0	3	9	16	49	14	42	4.33
12. Music	74	0	0	4	5	9	12	36	49	25	34	4.11
13. Psychology	5	0	0	0	0	1	20	2	40	2	40	4.20
14. Science	36	0	0	2	6	4	11	15	42	15	42	4.19
15. Social Science	39	0	0	0	0	4	10	19	49	16	41	4.31
16. Special Educ	175	1	1	3	2	10	6	63	36	98	56	4.45
17. Speech	12	0	0	0	0	2	17	7	58	3	25	4.08
18. Speech & Hearing	43	0	0	0	0	5	12	5	12	33	77	4.65
TOTAL	900	3	0	20	2	73	8	395	44	409	45	4.32

χ^2 = 107.50 p= .0016 C= .17



Item 23. Has realistic expectations for student learning.

CODE FOR MAJORS

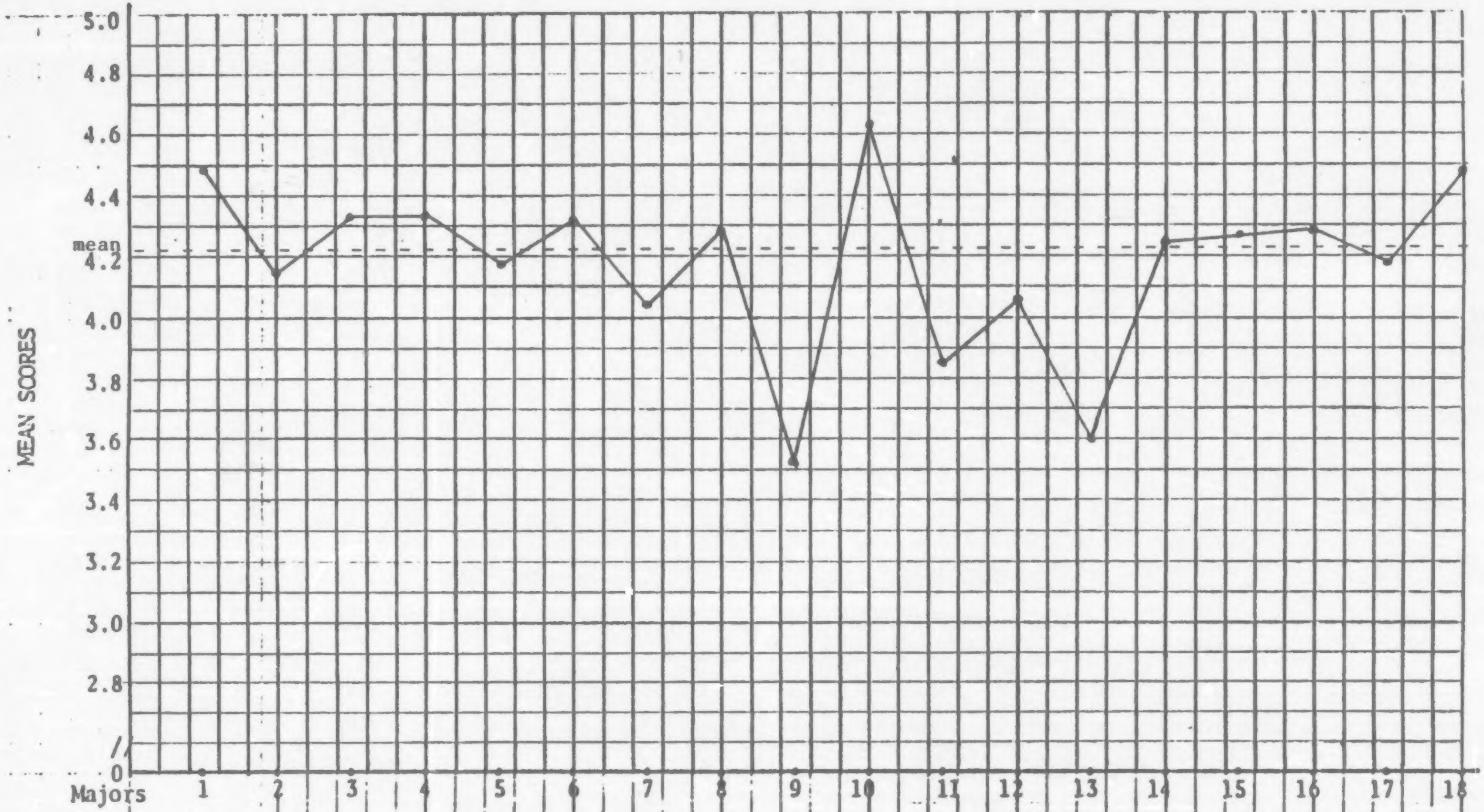
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 29

Item: 24. Selects, prepares, and effectively utilizes educational media.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	0	0	3	8	14	36	22	56	4.49
2. Business	43	0	0	1	2	5	12	24	56	13	30	4.14
3. Distributive Ed	15	0	0	0	0	2	13	6	40	7	47	4.33
4. Elementary Education	160	0	0	2	1	12	8	77	48	69	43	4.33
5. English	38	0	0	4	11	2	5	15	40	17	45	4.18
6. Foreign Language	15	1	7	0	0	0	0	6	40	8	53	4.33
7. HPER	80	4	5	3	4	12	15	28	35	33	41	4.04
8. Home Economics	48	1	2	0	0	5	10	20	42	22	46	4.29
9. Industrial Education	25	1	4	2	8	8	32	11	44	3	12	3.52
10. LEM	16	0	0	0	0	0	0	6	38	10	63	4.63
11. Math, Comp Science	33	0	0	1	3	9	27	17	52	6	18	3.85
12. Music	70	1	1	3	4	12	17	29	41	25	36	4.06
13. Psychology	5	1	20	0	0	1	20	1	20	2	40	3.60
14. Science	36	0	0	1	3	7	19	10	28	18	50	4.25
15. Social Science	39	1	3	0	0	3	8	19	49	16	41	4.26
16. Special Educ	175	1	1	3	2	19	11	75	43	77	44	4.28
17. Speech	11	0	0	1	9	1	9	4	36	5	46	4.18
18. Speech & Hearing	42	0	0	1	2	5	12	9	21	27	64	4.48
TOTAL	890	11	1	22	3	106	12	371	42	380	43	4.22

χ^2 = 120.37 P= .0001 C= .35



Item 24. Selects, prepares, and effectively utilizes educational media.

CODE FOR MAJORS

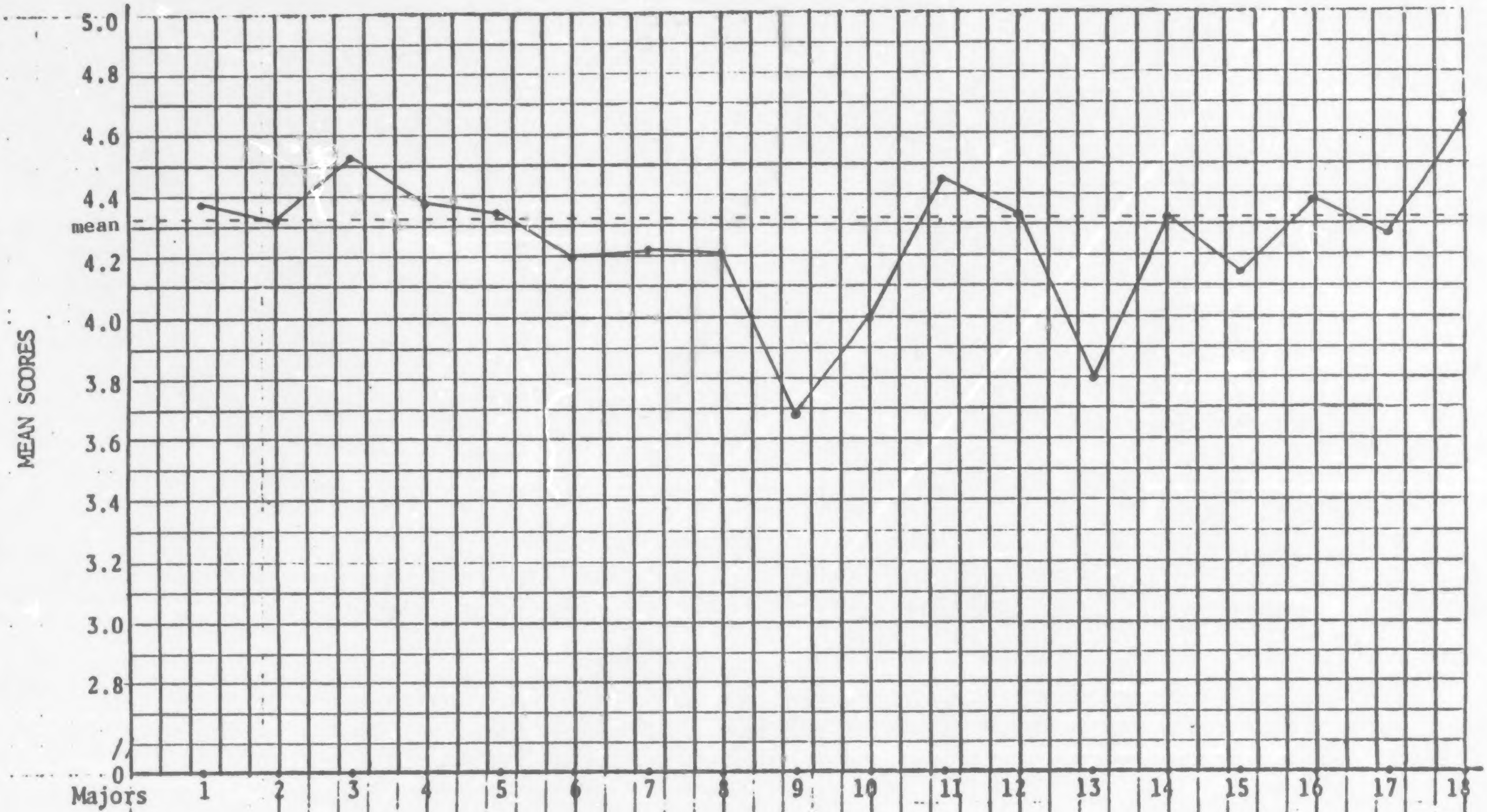
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 30

Item: 25. Maintains a challenging level of instruction.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	4	10	14	35	21	53	4.38
2. Business	43	0	0	1	2	4	9	18	42	20	47	4.33
3. Distributive Ed	15	0	0	0	0	1	7	5	33	9	60	4.53
4. Elementary Education	160	0	0	2	1	11	7	71	44	76	48	4.38
5. English	40	0	0	4	10	0	0	14	35	22	55	4.35
6. Foreign Language	15	1	7	1	7	0	0	5	33	8	53	4.20
7. HPER	82	1	1	3	4	9	11	33	40	36	44	4.22
8. Home Economics	48	1	2	0	0	7	15	20	42	20	42	4.21
9. Industrial Education	25	2	8	1	4	6	24	10	40	6	24	3.68
10. LEM	11	0	0	0	0	4	36	3	27	4	36	4.00
11. Math, Comp Science	33	0	0	0	0	4	12	10	30	19	58	4.45
12. Music	73	1	1	1	1	7	10	28	38	36	49	4.33
13. Psychology	5	0	0	1	20	1	20	1	20	2	40	3.80
14. Science	36	0	0	3	8	1	3	13	36	19	53	4.33
15. Social Science	39	1	3	1	3	4	10	18	46	15	39	4.15
16. Special Educ	176	1	1	2	1	13	7	72	41	88	50	4.39
17. Speech	11	0	0	0	0	1	9	6	55	4	36	4.27
18. Speech & Hearing	43	0	0	0	0	3	7	9	21	31	72	4.65
TOTAL	895	8	1	21	2	80	9	350	39	436	49	4.32

χ^2 = 103.82 p= .0034 C= .32



Item 25. Maintains a challenging level of instruction.

CODE FOR MAJORS

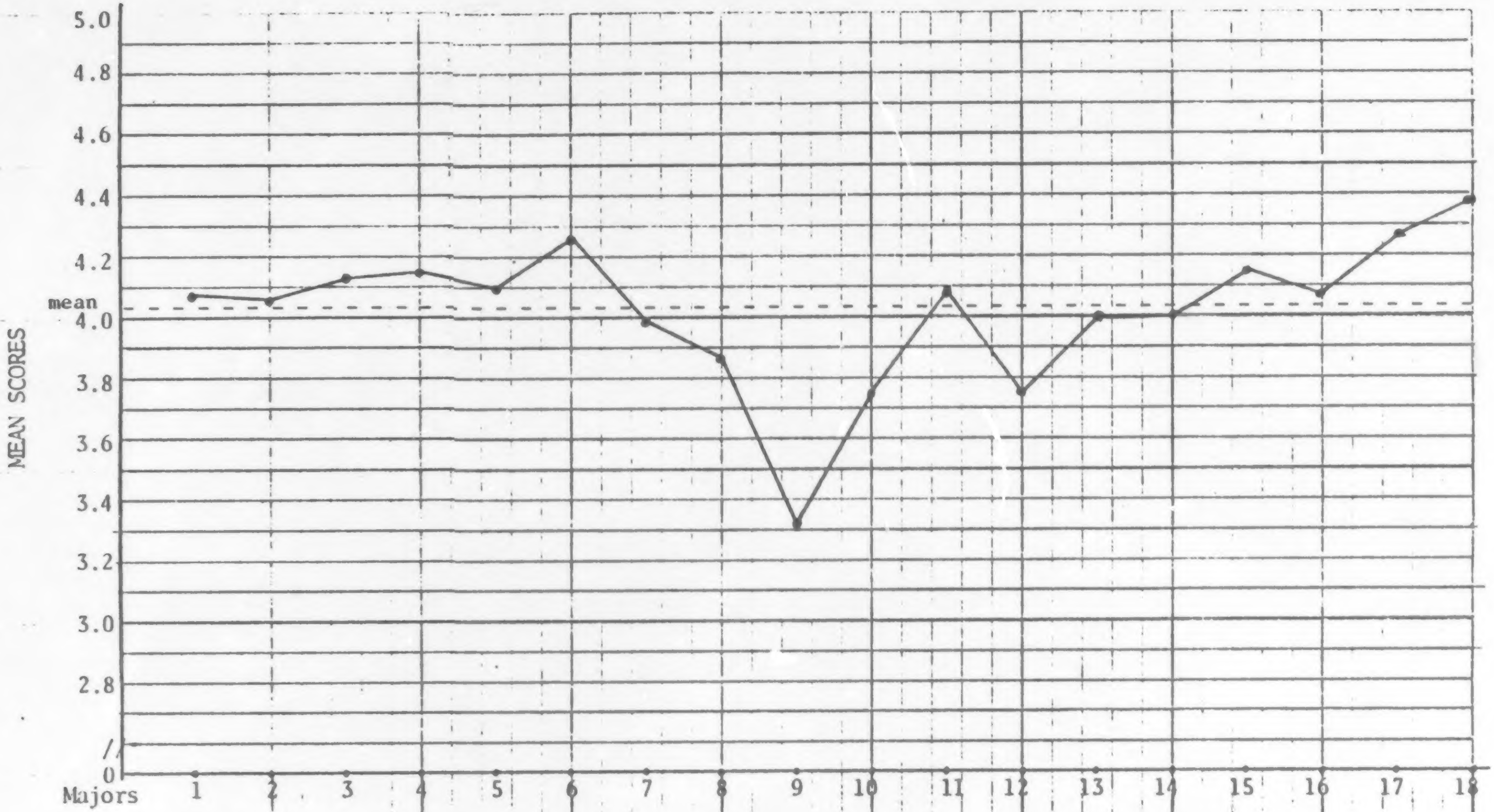
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 31

Item: 26. Uses skillful questions that lead pupils to analyze, synthesize and think critically.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	10	25	17	43	13	33	4.08
2. Business	43	0	0	1	2	8	19	21	49	13	30	4.07
3. Distributive Ed	15	0	0	2	13	1	7	5	33	7	47	4.13
4. Elementary Education	160	0	0	0	0	26	16	84	53	50	31	4.15
5. English	39	0	0	3	8	5	13	16	41	15	39	4.10
6. Foreign Language	15	0	0	2	13	1	7	3	20	9	60	4.27
7. HPER	81	1	1	2	3	23	28	26	32	29	36	3.99
8. Home Economics	48	1	2	2	4	9	19	26	54	10	21	3.88
9. Industrial Education	25	2	8	1	4	11	44	9	36	2	8	3.32
10. LEM	12	0	0	0	0	4	33	7	58	1	8	3.75
11. Math, Comp Science	33	0	0	0	0	7	21	16	49	10	30	4.09
12. Music	68	0	0	7	10	14	21	36	53	11	16	3.75
13. Psychology	5	0	0	1	20	1	20	0	0	3	60	4.00
14. Science	36	0	0	3	8	7	19	13	36	13	36	4.00
15. Social Science	39	0	0	1	3	7	18	16	41	15	39	4.15
16. Special Educ	170	1	1	8	5	27	16	75	44	59	35	4.08
17. Speech	11	0	0	0	0	1	9	6	55	4	36	4.27
18. Speech & Hearing	39	0	0	1	3	9	23	3	8	26	67	4.38
TOTAL	879	5	1	34	4	171	20	379	43	290	33	4.04

$\chi^2 = 143.03$ p= 0.00 C= .374



Item 26. Uses skillful questions that lead pupils to analyze, synthesize and think critically.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

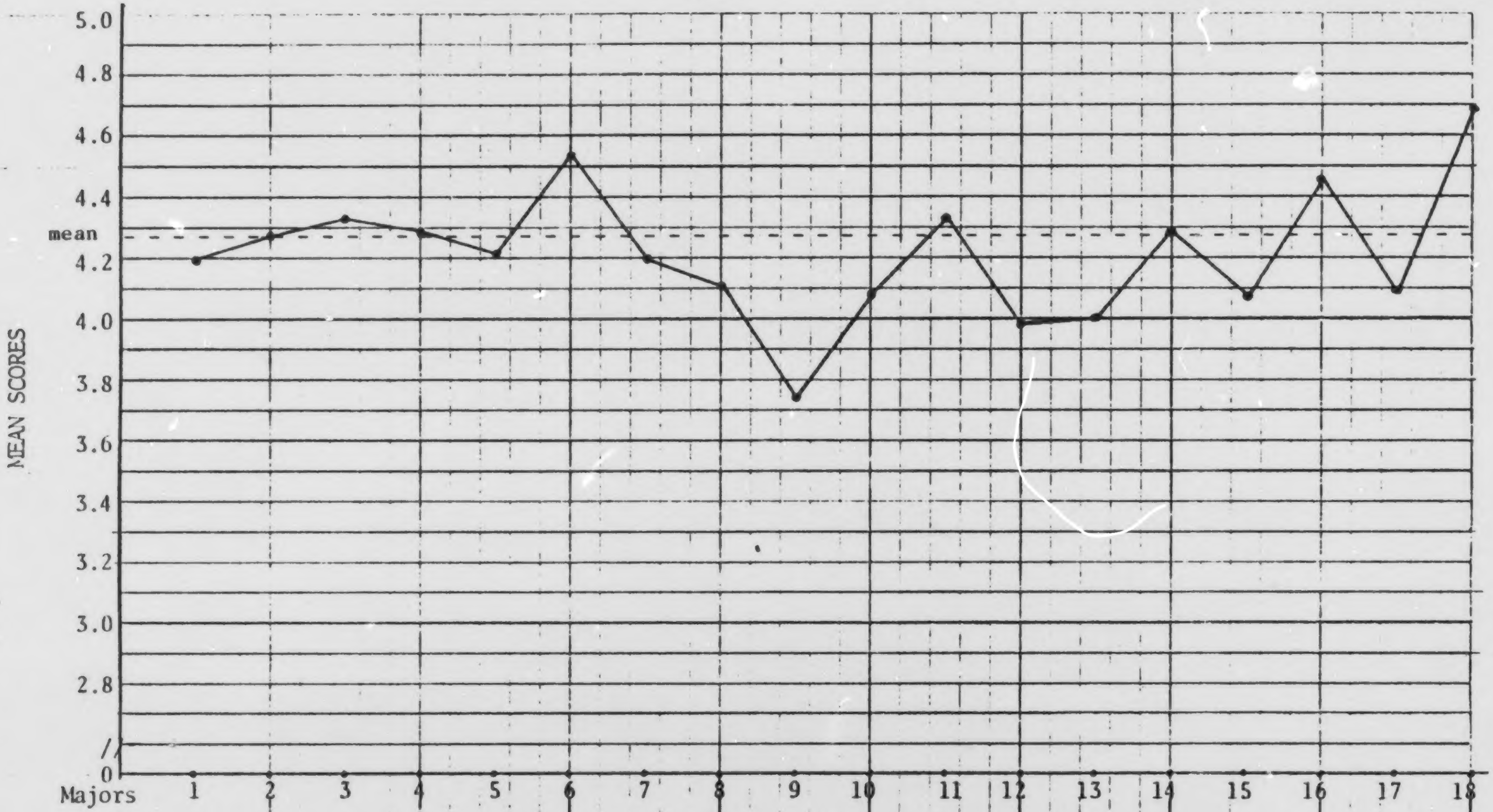
Table 32

Item: 27. Uses valid criteria and procedures for determining pupil achievement of learning objectives.

Responses

	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	40	0	0	0	0	7	18	18	45	15	38	4.20
2. Business	43	0	0	0	0	6	14	19	44	18	42	4.28
3. Distributive Ed	15	0	0	0	0	1	7	8	53	6	40	4.33
4. Elementary Education	160	0	0	0	0	13	8	87	54	60	38	4.29
5. English	39	0	0	0	0	6	15	19	49	14	36	4.21
6. Foreign Language	15	0	0	1	7	0	0	4	27	10	67	4.53
7. HPER	83	1	1	3	4	9	11	35	42	35	42	4.20
8. Home Economics	47	0	0	1	2	5	11	29	62	12	26	4.11
9. Industrial Education	24	0	0	2	8	6	25	12	50	4	17	3.75
10. LEM	12	0	0	0	0	3	25	5	42	4	33	4.08
11. Math, Comp Science	33	0	0	0	0	4	12	14	42	15	46	4.33
12. Music	71	0	0	5	7	10	14	37	52	19	27	3.99
13. Psychology	5	0	0	0	0	1	20	3	60	1	20	4.00
14. Science	36	0	0	2	6	3	8	14	39	17	47	4.28
15. Social Science	39	0	0	0	0	7	18	22	56	10	26	4.08
16. Special Educ	175	1	1	3	2	12	7	60	34	99	57	4.46
17. Speech	11	0	0	1	9	1	9	5	46	4	36	4.09
18. Speech & Hearing	42	0	0	0	0	3	7	7	17	32	76	4.69
TOTAL	890	2	0	18	2	97	11	398	45	375	42	4.27

$\chi^2 = 115.003$ p= .003 C= .34



Item 27. Uses valid criteria and procedures for determining pupil achievement of learning objectives.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 33

Item: 28. Expresses humor when appropriate.

Responses

	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1. Art	40	1	3	0	0	5	13	15	38	19	48	4.28
2. Business	43	0	0	1	2	4	9	18	42	20	47	4.33
3. Distributive Ed	15	0	0	0	0	1	7	5	33	9	60	4.53
4. Elementary Education	162	0	0	1	1	13	8	56	35	92	57	4.48
5. English	40	0	0	2	5	3	8	13	33	22	55	4.38
6. Foreign Language	15	0	0	1	7	1	7	4	27	9	60	4.40
7. HPER	83	1	1	3	4	3	4	35	42	41	49	4.35
8. Home Economics	48	0	0	1	2	2	4	25	52	20	42	4.33
9. Industrial Education	25	0	0	1	4	4	16	10	40	10	40	4.16
10. LEM	15	0	0	1	7	0	0	12	80	2	13	4.00
11. Math, Comp Science	33	1	3	1	3	1	3	11	33	19	58	4.39
12. Music	74	0	0	4	5	12	16	24	32	34	46	4.19
13. Psychology	5	0	0	0	0	2	40	1	20	2	40	4.00
14. Science	36	0	0	0	0	6	17	12	33	18	50	4.33
15. Social Science	39	0	0	0	0	4	10	20	51	15	39	4.28
16. Special Educ	175	0	0	7	4	12	7	61	35	95	54	4.39
17. Speech	12	0	0	0	0	1	8	4	33	7	58	4.50
18. Speech & Hearing	43	0	0	0	0	3	7	9	21	31	72	4.65
TOTAL	903	3	0	23	3	77	9	335	37	465	52	4.37

χ^2 = 87.35 p= .0571 C= .30

Table 34

Item: 29. Motivates students to ask questions.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	5	13	16	40	18	45	4.28
2. Business	43	0	0	0	0	7	16	21	49	15	35	4.19
3. Distributive Ed	15	0	0	0	0	2	13	7	47	6	40	4.27
4. Elementary Education	162	0	0	0	0	16	10	72	44	74	46	4.36
5. English	40	0	0	3	8	4	10	17	43	16	40	4.15
6. Foreign Language	15	0	0	1	7	1	7	5	33	8	53	4.33
7. HPER	82	1	1	4	5	14	17	35	43	28	34	4.04
8. Home Economics	48	0	0	3	6	9	19	19	40	17	35	4.04
9. Industrial Education	25	0	0	1	4	6	24	14	56	4	16	3.84
10. LEM	13	0	0	0	0	2	15	9	69	2	15	4.00
11. Math, Comp Science	33	0	0	1	3	5	15	11	33	16	49	4.27
12. Music	73	0	0	4	6	18	25	31	43	20	27	3.92
13. Psychology	5	0	0	0	0	2	40	0	0	3	60	4.20
14. Science	36	0	0	2	6	4	11	15	42	15	42	4.19
15. Social Science	39	0	0	1	3	5	13	21	54	12	31	4.13
16. Special Educ	173	1	1	2	1	20	12	64	37	86	50	4.34
17. Speech	11	0	0	1	9	1	9	4	36	5	46	4.18
18. Speech & Hearing	40	0	0	1	3	8	20	5	13	26	65	4.40
TOTAL	893	2	0	25	3	129	14	366	41	371	42	4.21

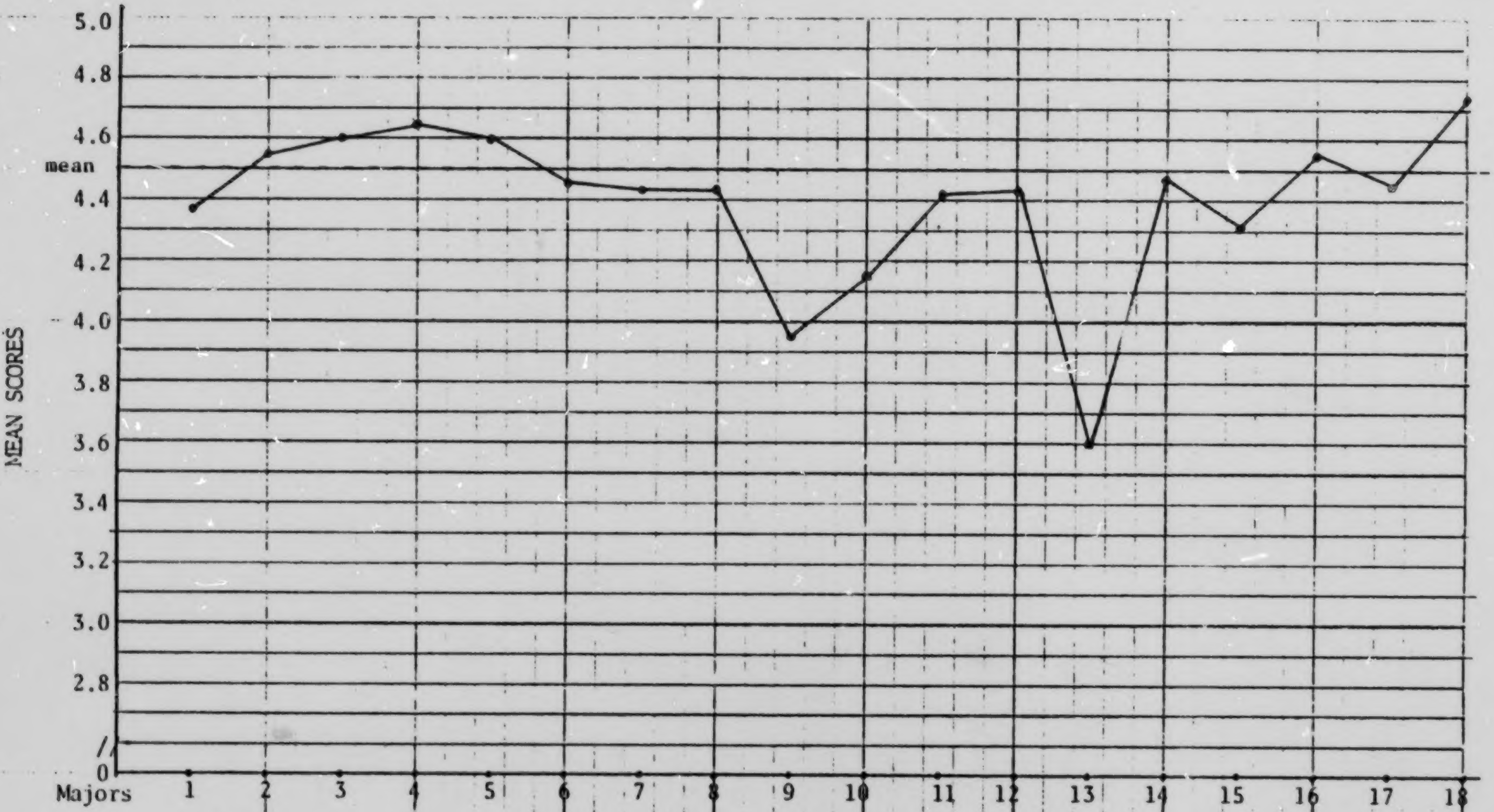
$\chi^2 = 83.61$ p= .0961 C= .2926

Table 35

Item: 30. Expresses a positive personal attitude toward the teaching profession.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	1	3	1	3	2	5	13	33	22	56	4.38
2. Business	42	0	0	0	0	4	10	11	26	27	64	4.55
3. Distributive Ed	15	0	0	0	0	2	13	2	13	11	73	4.60
4. Elementary Education	160	0	0	2	1	8	5	36	23	114	71	4.64
5. English	40	0	0	0	0	3	8	10	25	27	68	4.60
6. Foreign Language	15	0	0	0	0	2	13	4	27	9	60	4.47
7. HPER	84	2	2	3	4	3	4	24	29	52	62	4.44
8. Home Economics	48	1	2	0	0	6	13	11	23	30	63	4.44
9. Industrial Education	25	1	4	3	12	3	12	7	28	11	44	3.96
10. LEM	13	0	0	1	8	1	8	6	46	5	39	4.15
11. Math, Comp Science	33	0	0	0	0	5	15	9	27	19	58	4.42
12. Music	74	0	0	2	3	9	12	18	24	45	61	4.43
13. Psychology	5	0	0	2	40	0	0	1	20	2	40	3.60
14. Science	36	0	0	2	6	3	8	7	19	24	67	4.47
15. Social Science	39	0	0	3	8	4	10	10	26	22	56	4.31
16. Special Educ	174	2	1	4	2	9	5	41	24	118	68	4.55
17. Speech	11	0	0	0	0	2	18	2	18	7	64	4.45
18. Speech & Hearing	44	0	0	2	5	1	2	4	9	37	84	4.73
TOTAL	897	7	1	25	3	67	8	216	24	582	65	4.50

$\chi^2 = 96.09$ $p = .0141$ $C = .311$



Item 30. Expresses a positive personal attitude toward the teaching profession.

CODE FOR MAJORS

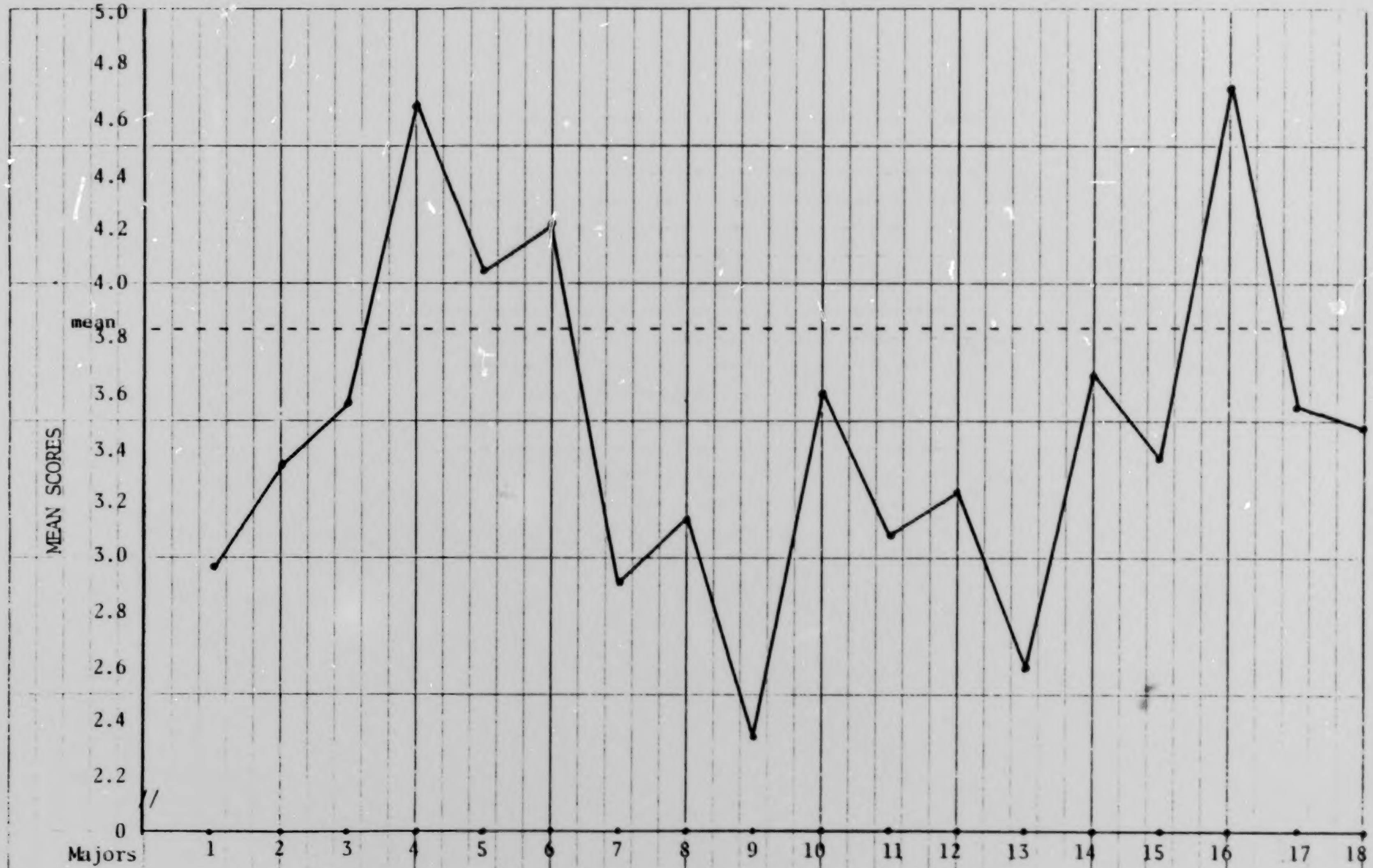
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 36

Item: 31. Teaches reading in his/her grade or subject area.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	32	5	16	4	13	13	41	7	22	3	9	2.97
2. Business	43	1	2	9	21	13	30	15	35	5	12	3.33
3. Distributive Ed	14	0	0	2	14	4	29	6	43	2	14	3.57
4. Elementary Education	158	2	1	1	1	9	6	27	17	119	75	4.65
5. English	38	1	3	3	8	6	16	11	29	17	45	4.05
6. Foreign Language	14	0	0	1	7	3	21	2	14	8	57	4.21
7. HPER	70	12	17	7	10	31	44	15	21	5	7	2.91
8. Home Economics	44	6	14	5	11	16	36	11	25	6	14	3.14
9. Industrial Education	22	8	36	2	9	9	41	2	9	1	5	2.36
10. LEM	10	0	0	0	0	6	60	2	20	2	20	3.60
11. Math, Comp Science	32	4	13	4	13	12	38	9	28	3	9	3.09
12. Music	66	8	12	2	3	33	50	11	17	12	18	3.26
13. Psychology	5	1	20	1	20	2	40	1	20	0	0	2.60
14. Science	34	0	0	4	12	11	32	11	32	8	24	3.68
15. Social Science	38	4	11	1	3	16	42	11	29	6	16	3.37
16. Special Educ	171	1	1	1	1	5	3	33	19	131	77	4.71
17. Speech	11	1	9	1	9	2	18	5	46	2	18	3.55
18. Speech & Hearing	31	4	13	2	7	11	36	3	10	11	36	3.48
TOTAL	833	58	7	50	6	202	24	182	22	341	41	3.84

$\chi^2 = 438.61$ $p = 0.00$ $C = .363$



Item 31. Teaches reading in his/her grade or subject area.

CODE FOR MAJORS

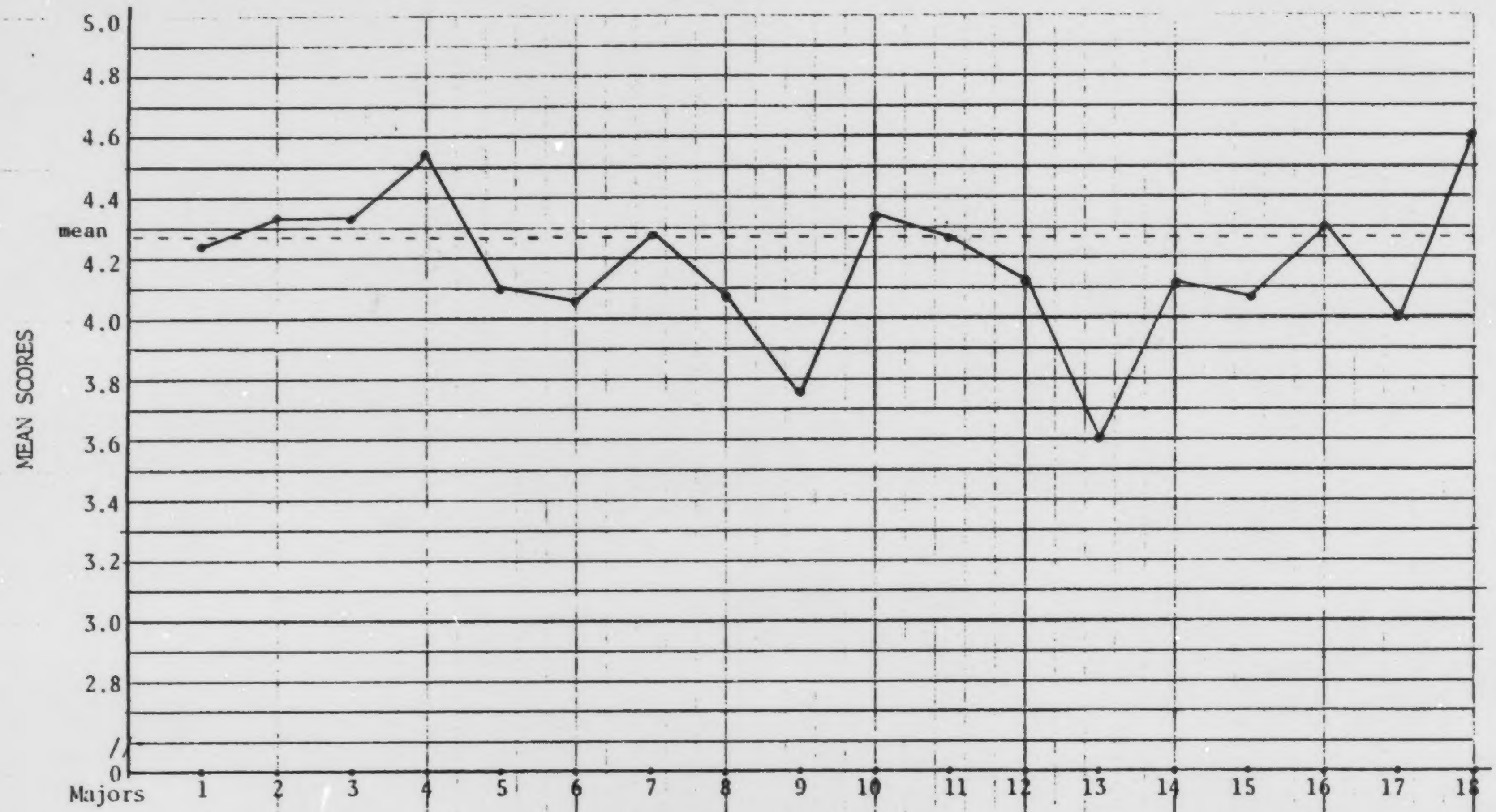
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 37

Item: 32. Requests appropriate professional assistance when needed.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	2	5	6	15	13	33	19	48	4.23
2. Business	43	0	0	1	2	4	9	18	42	20	47	4.33
3. Distributive Ed	15	0	0	0	0	2	13	6	40	7	47	4.33
4. Elementary Education	162	0	0	1	1	9	6	53	33	99	61	4.54
5. English	39	0	0	4	10	3	8	17	44	15	39	4.10
6. Foreign Language	15	1	7	0	0	1	7	8	53	5	33	4.07
7. HPER	82	1	1	2	2	6	7	37	45	36	44	4.28
8. Home Economics	48	0	0	4	8	5	10	22	46	17	35	4.08
9. Industrial Education	25	1	4	1	4	10	40	4	16	9	36	3.76
10. LEM	15	0	0	0	0	2	13	6	40	7	47	4.33
11. Math, Comp Science	33	0	0	1	3	3	9	15	46	14	42	4.27
12. Music	74	0	0	4	5	12	16	29	39	29	39	4.12
13. Psychology	5	0	0	2	40	0	0	1	20	2	40	3.60
14. Science	36	0	0	2	6	5	14	16	44	13	36	4.11
15. Social Science	39	0	0	1	3	6	15	21	54	11	28	4.08
16. Special Educ	175	7	4	6	3	13	7	50	29	99	57	4.30
17. Speech	12	0	0	2	17	1	8	4	33	5	42	4.00
18. Speech & Hearing	42	0	0	0	0	3	7	11	26	28	67	4.60
TOTAL	900	10	1	33	4	91	10	331	37	435	48	4.28

$\chi^2 = 139.42$ p= 0.00 C= .366



Item 32. Requests appropriate professional assistance when needed.

CODE FOR MAJORS

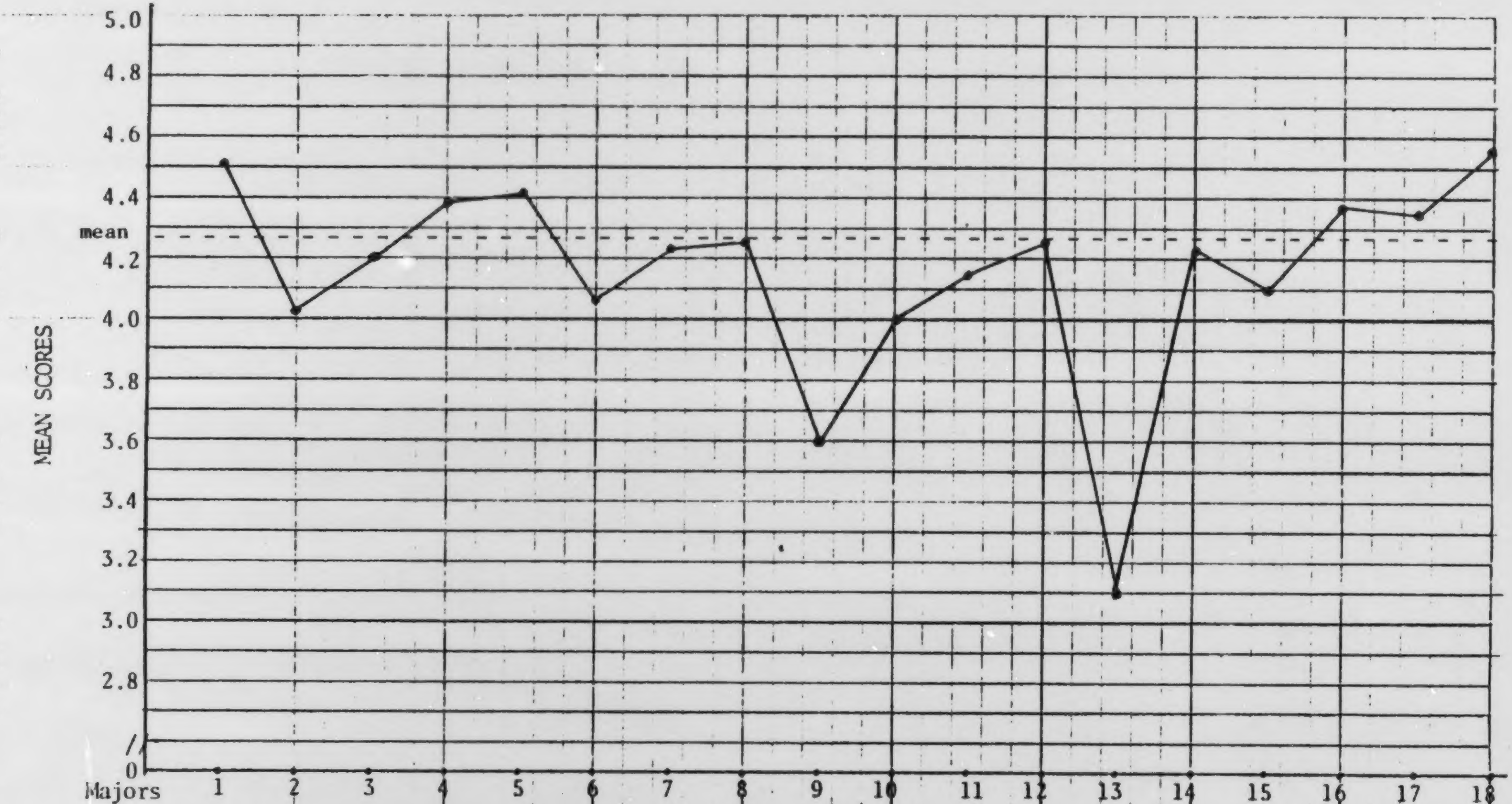
1.	Art
2.	Business
3.	Distributive Ed
4.	Elementary Ed
5.	English
6.	Foreign Lang
7.	HPER
8.	Home Ec
9.	Industrial Ed
10.	LEM
11.	Math, Comp Sci
12.	Music
13.	Psychology
14.	Science
15.	Social Science
16.	Special Ed
17.	Speech
18.	Speech & Hearing

Table 38

Item: 33. Uses more than one method in a single presentation to achieve instructional objectives.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	0	0	2	5	15	39	22	56	4.51
2. Business	43	0	0	2	5	7	16	22	51	12	28	4.02
3. Distributive Ed	15	0	0	1	7	0	0	9	60	5	33	4.20
4. Elementary Education	160	0	0	4	3	8	5	69	43	79	49	4.39
5. English	39	0	0	1	3	3	8	14	36	21	54	4.41
6. Foreign Language	15	1	7	1	7	0	0	7	47	6	40	4.07
7. HPER	83	1	1	2	2	10	12	34	41	36	43	4.23
8. Home Economics	48	0	0	2	4	2	4	26	54	18	38	4.25
9. Industrial Education	25	3	12	2	8	4	16	9	36	7	28	3.60
10. LEM	10	0	0	0	0	2	20	6	60	2	20	4.00
11. Math, Comp Science	33	0	0	0	0	6	18	16	49	11	33	4.15
12. Music	71	0	0	1	1	10	14	30	42	30	42	4.25
13. Psychology	5	0	0	1	20	2	40	2	40	0	0	3.20
14. Science	36	0	0	2	6	5	14	12	33	17	47	4.22
15. Social Science	39	0	0	3	8	4	10	18	46	14	36	4.10
16. Special Educ	176	1	1	5	3	19	11	52	29	99	56	4.38
17. Speech	11	0	0	1	9	1	9	2	18	7	64	4.36
18. Speech & Hearing	42	0	0	0	0	5	12	8	19	29	69	4.57
TOTAL	890	6	1	28	3	90	10	351	39	415	47	4.28

χ^2 = 142.52 p= 0.00 C= .37



Item 33. Uses more than one method in a single presentation to achieve instructional objectives.

CODE FOR MAJORS

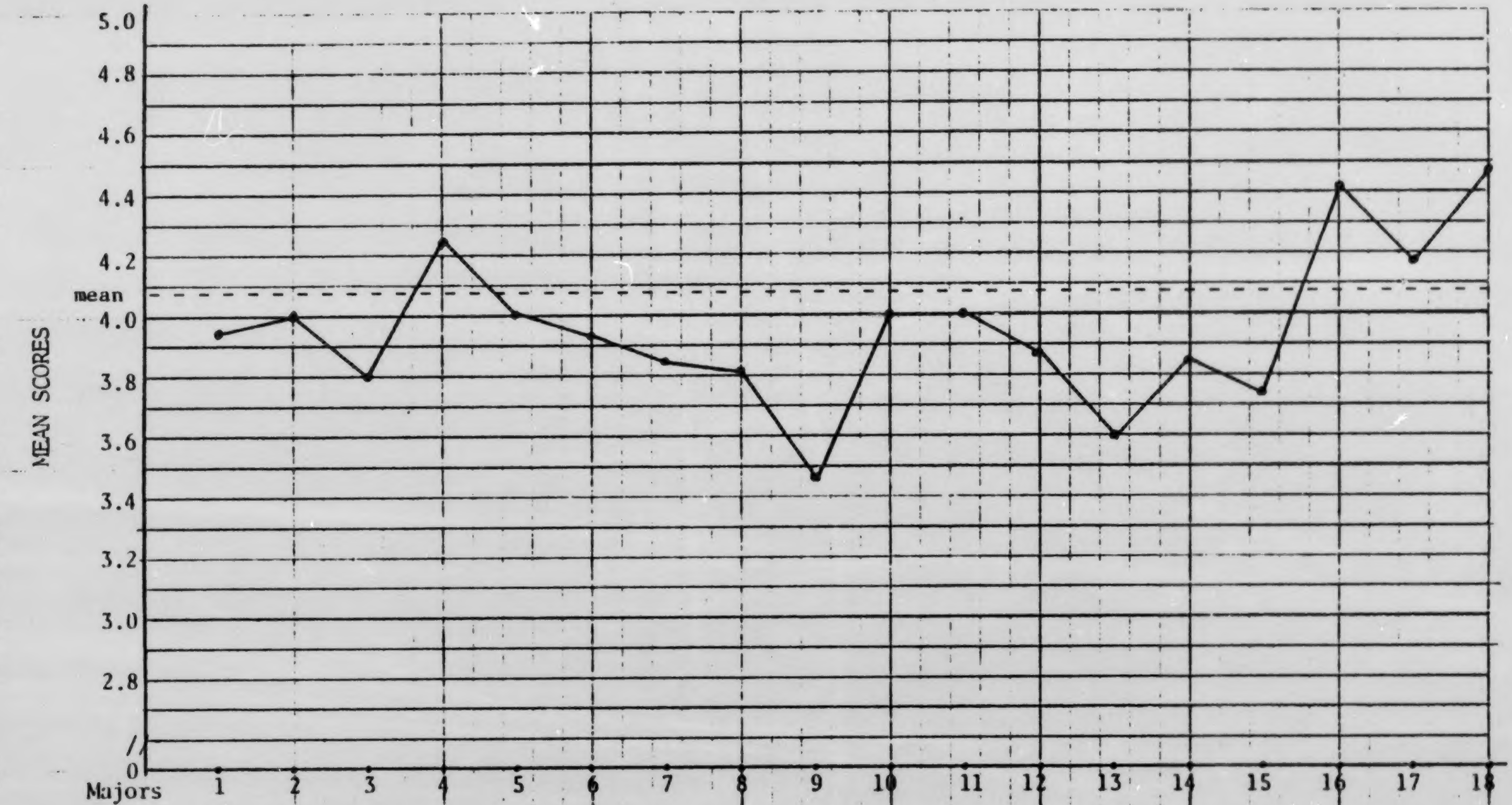
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 39

Item: 34. Determines student readiness for learning.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	39	0	0	0	0	12	31	17	44	10	26	3.95
2. Business	43	0	0	1	2	10	23	20	47	12	28	4.00
3. Distributive Ed	15	0	0	0	0	5	33	8	53	2	13	3.80
4. Elementary Education	157	0	0	1	1	23	15	70	45	63	40	4.24
5. English	39	0	0	4	10	4	10	19	49	12	31	4.00
6. Foreign Language	15	0	0	2	13	2	13	6	40	5	33	3.93
7. HPER	81	4	5	2	3	16	20	39	48	20	25	3.85
8. Home Economics	47	0	0	2	4	14	30	22	47	9	19	3.81
9. Industrial Education	25	1	4	4	16	5	20	12	48	3	12	3.48
10. LEM	11	0	0	0	0	2	18	7	64	2	18	4.00
11. Math, Comp Science	32	0	0	0	0	8	25	16	50	8	25	4.00
12. Music	69	0	0	2	3	22	32	27	39	18	26	3.88
13. Psychology	5	0	0	1	20	1	20	2	40	1	20	3.60
14. Science	35	0	0	0	0	14	40	12	34	9	26	3.86
15. Social Science	39	0	0	2	5	12	31	19	49	6	15	3.74
16. Special Educ	176	1	1	4	2	15	9	58	33	98	56	4.41
17. Speech	11	0	0	1	9	0	0	6	55	4	36	4.18
18. Speech & Hearing	43	1	2	0	0	6	14	7	16	29	67	4.47
TOTAL	882	7	1	26	3	171	19	367	42	311	35	4.08

χ^2 = 183.46 p= 0.00 C= .415



Item 34. Determines student readiness for learning.

CODE FOR MAJORS

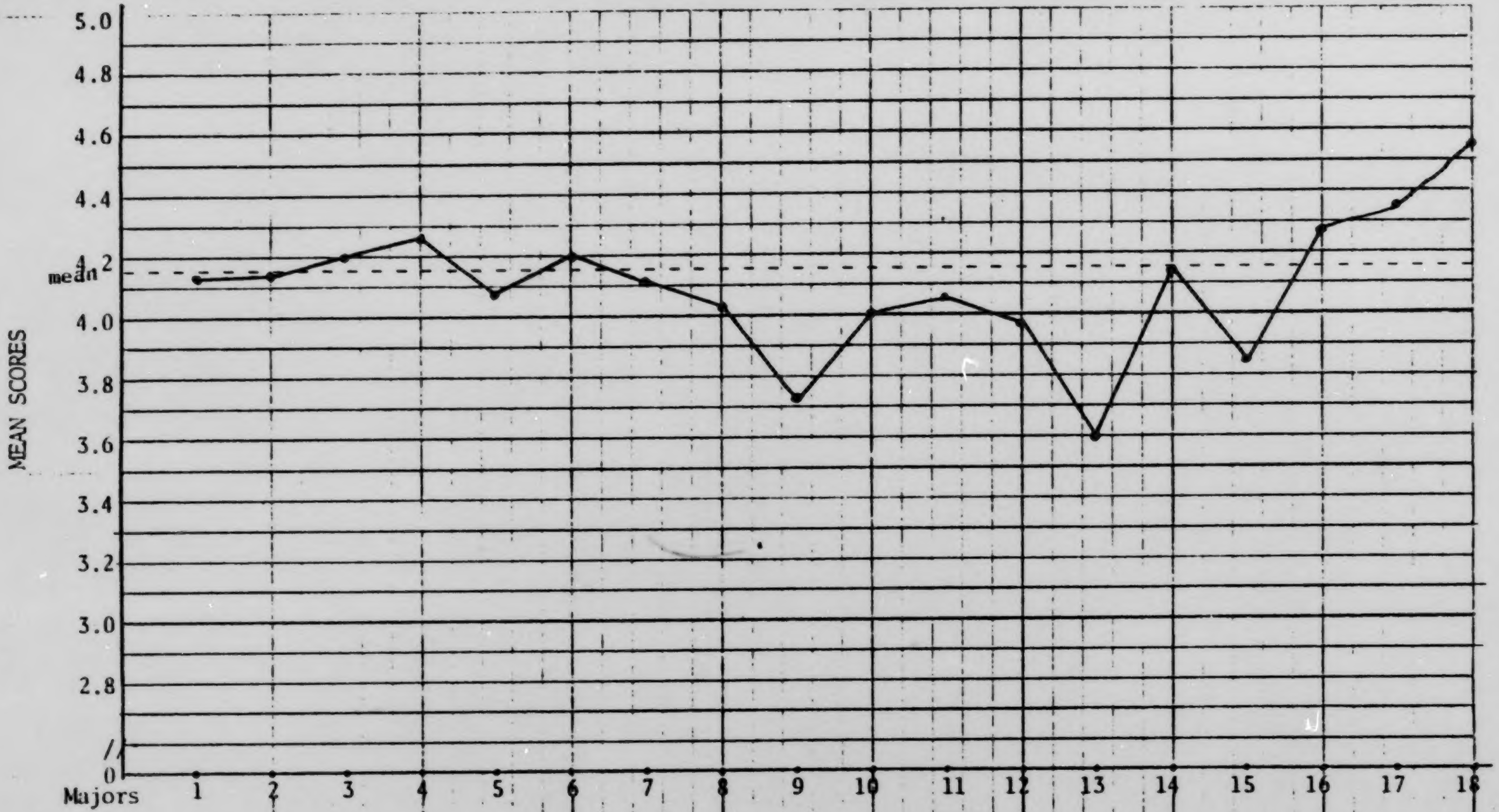
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 40

Item: 35. Uses information about the effectiveness of his/her instructional program to revise it.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	1	3	7	18	18	45	14	35	4.13
2. Business	43	0	0	1	2	9	21	16	37	17	40	4.14
3. Distributive Ed	15	0	0	1	7	2	13	5	33	7	47	4.20
4. Elementary Education	161	0	0	1	1	15	9	84	52	61	38	4.27
5. English	40	0	0	4	10	4	10	17	43	15	38	4.08
6. Foreign Language	15	0	0	1	7	2	13	5	33	7	47	4.20
7. HPER	80	2	3	2	3	9	11	39	49	28	35	4.11
8. Home Economics	47	2	4	1	2	5	11	25	53	14	30	4.02
9. Industrial Education	25	0	0	3	12	7	28	9	36	6	24	3.72
10. LEM	11	0	0	0	0	3	27	5	46	3	27	4.00
11. Math, Comp Science	32	0	0	0	0	8	25	14	44	10	31	4.06
12. Music	71	1	1	6	9	10	14	31	44	23	32	3.97
13. Psychology	5	1	20	0	0	0	0	3	60	1	20	3.60
14. Science	36	0	0	1	3	6	17	16	44	13	36	4.14
15. Social Science	39	2	5	1	3	7	18	20	51	9	23	3.85
16. Special Educ	175	1	1	9	5	14	8	67	38	84	48	4.28
17. Speech	11	0	0	0	0	1	9	5	46	5	46	4.36
18. Speech & Hearing	42	0	0	0	0	7	17	5	12	30	71	4.55
TOTAL	888	9	1	32	4	116	13	384	43	347	39	4.16

χ^2 = 121.85 P= .0001 C= .35



Item 35. Uses information about the effectiveness of his/her instructional program to revise it.

CODE FOR MAJORS

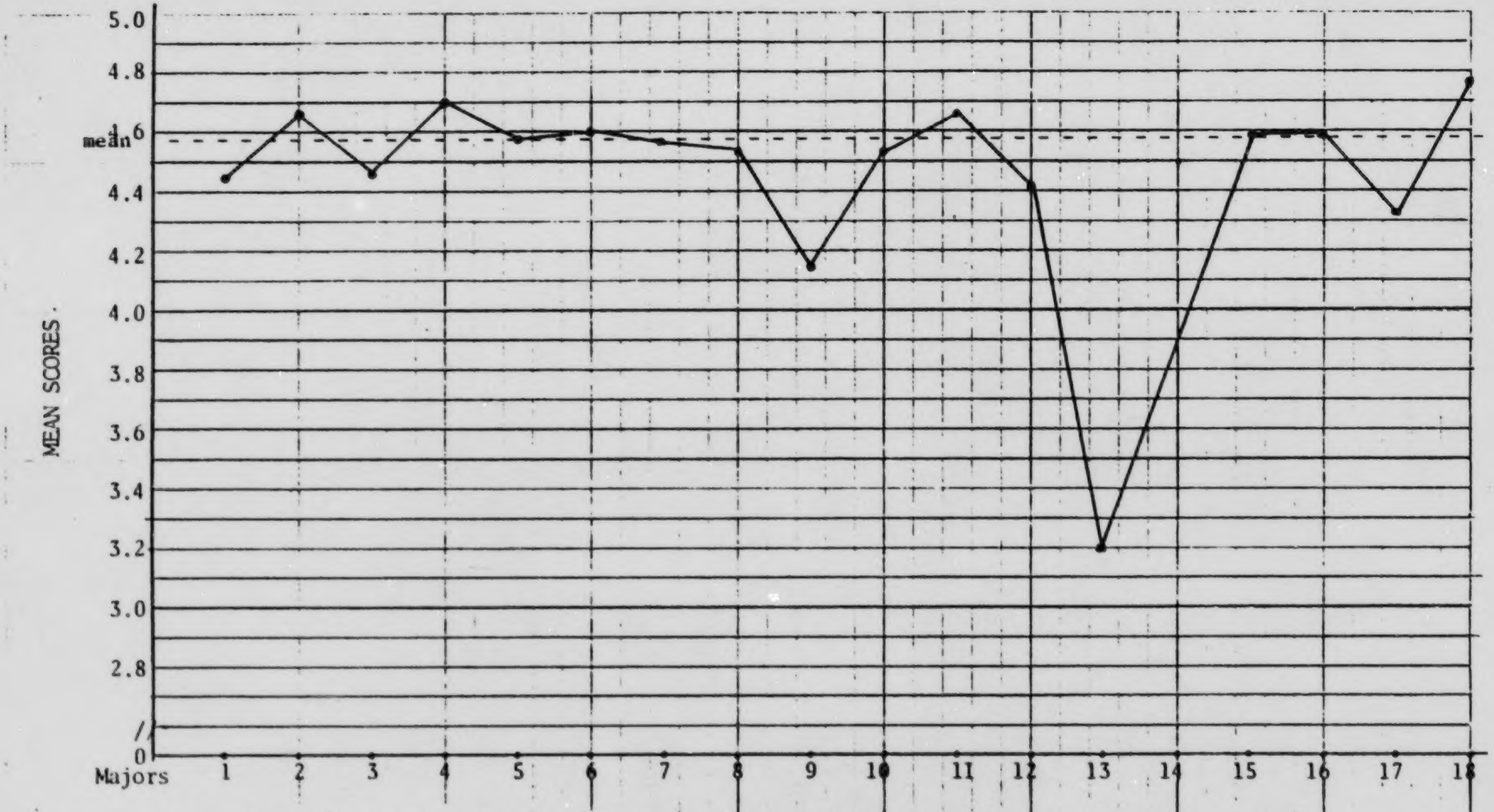
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 41

Item: 36. Follows the policies and procedures of the school district.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	3	8	0	0	13	33	24	60	4.45
2. Business	43	0	0	0	0	3	7	8	19	32	74	4.67
3. Distributive Ed	15	0	0	1	7	1	7	3	20	10	67	4.47
4. Elementary Education	162	0	0	0	0	7	4	35	22	120	74	4.70
5. English	40	0	0	1	3	5	13	4	10	30	75	4.58
6. Foreign Language	15	1	7	0	0	0	0	2	13	12	80	4.60
7. HPER	84	1	1	1	1	3	4	23	27	56	67	4.57
8. Home Economics	48	1	2	0	0	2	4	14	29	31	65	4.54
9. Industrial Education	25	1	4	2	8	3	12	5	20	14	56	4.16
10. LEM	15	0	0	0	0	1	7	5	33	9	60	4.53
11. Math, Comp Science	33	0	0	1	3	1	3	6	18	25	76	4.67
12. Music	73	0	0	4	6	6	8	18	25	45	62	4.42
13. Psychology	5	2	40	0	0	0	0	1	20	2	40	3.20
14. Science	36	0	0	0	0	5	14	8	22	23	64	4.50
15. Social Science	39	0	0	1	3	0	0	13	33	25	64	4.59
16. Special Educ	176	3	2	3	2	6	3	29	22	125	71	4.59
17. Speech	12	0	0	1	8	1	8	3	25	7	58	4.33
18. Speech & Hearing	43	0	0	1	2	2	5	3	7	37	86	4.77
TOTAL	904	9	1	19	2	46	5	203	23	627	69	4.57

$\chi^2 = 158.34$ p= 0.00 C=.39



Item 36. Follows the policies and procedures of the school district.

CODE FOR MAJORS

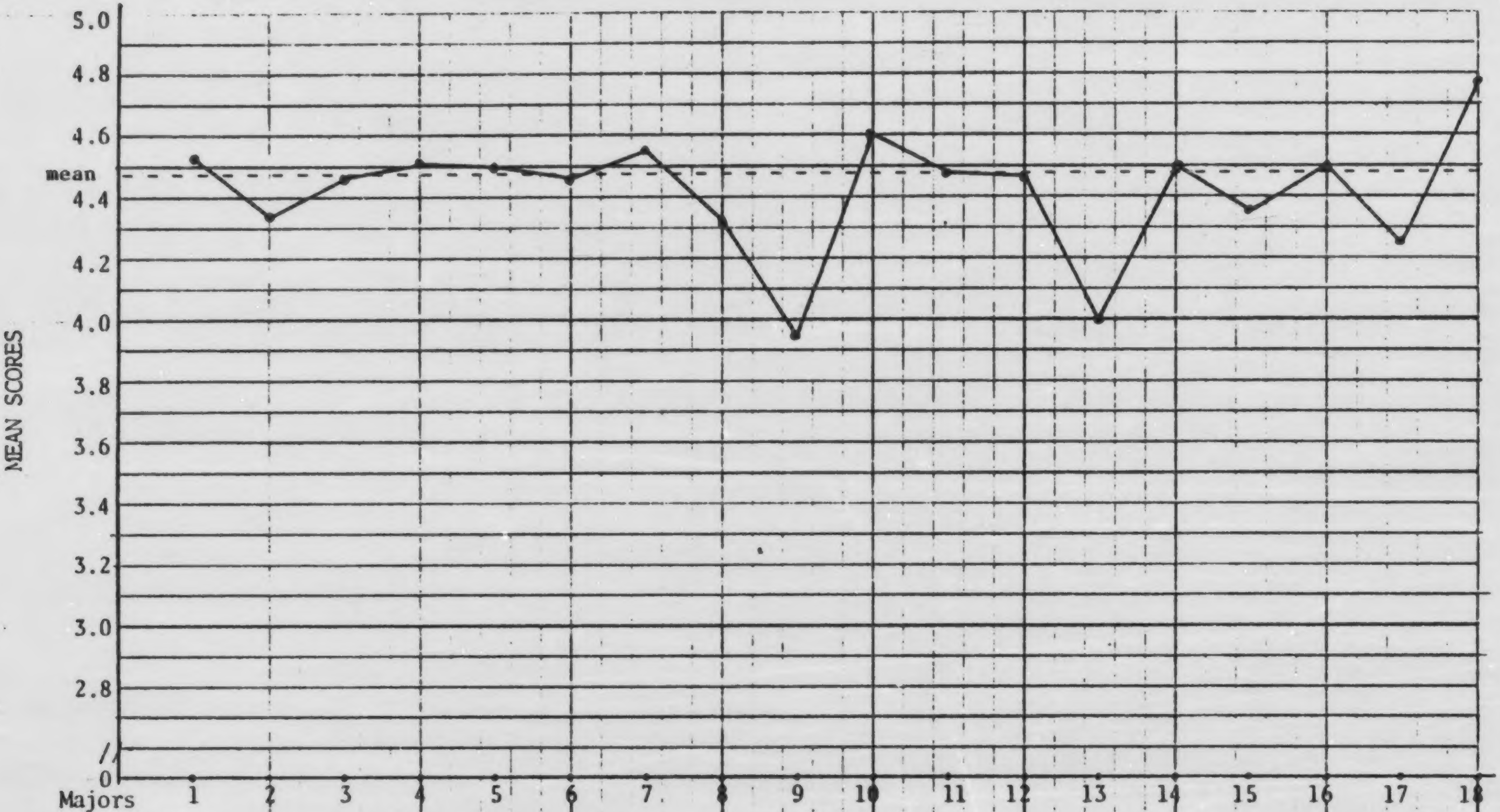
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 42

Item: 37. Conveys the impression of knowing what to do and how to do it.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	4	10	11	28	25	63	4.53
2. Business	43	0	0	1	2	5	12	15	35	22	51	4.35
3. Distributive Ed	15	0	0	1	7	0	0	5	33	9	60	4.47
4. Elementary Education	162	0	0	0	0	11	7	58	36	93	57	4.51
5. English	40	1	3	1	3	1	3	11	28	26	65	4.50
6. Foreign Language	15	0	0	1	7	1	7	3	20	10	67	4.47
7. HPER	84	1	1	2	2	2	2	24	29	55	66	4.55
8. Home Economics	48	0	0	1	2	5	10	19	40	23	48	4.33
9. Industrial Education	24	1	4	2	8	4	17	7	29	10	42	3.96
10. LEM	15	0	0	0	0	0	0	6	40	9	60	4.60
11. Math, Comp Science	33	0	0	1	3	1	3	12	36	19	58	4.48
12. Music	74	0	0	3	4	6	8	18	24	47	64	4.47
13. Psychology	5	1	20	0	0	0	0	1	20	3	60	4.00
14. Science	36	1	3	0	0	2	6	10	28	23	64	4.50
15. Social Science	39	0	0	1	3	4	10	14	36	20	51	4.36
16. Special Educ	176	2	1	7	4	8	5	43	24	116	66	4.50
17. Speech	12	0	0	0	0	2	17	5	42	5	42	4.25
18. Speech & Hearing	44	0	0	0	0	4	9	2	5	38	86	4.77
TOTAL	905	7	1	21	2	60	7	264	29	553	61	4.48

χ^2 = 100.07 p= .0069 C= .32



Item 37. Conveys the impression of knowing what to do and how to do it.

CODE FOR MAJORS

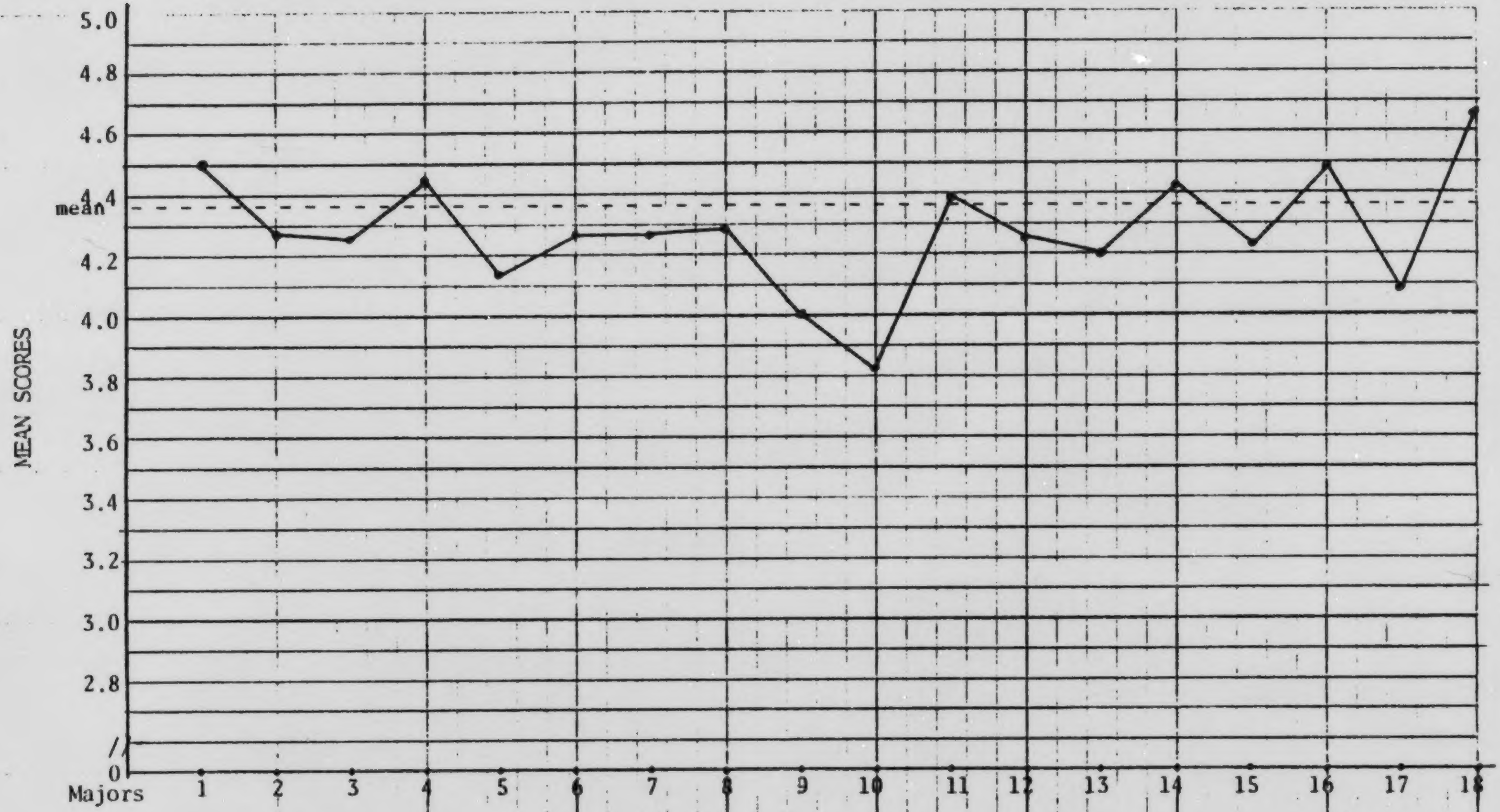
1. Art	5. English	9. Industrial Ed	13. Psychology	17. Speech
2. Business	6. Foreign Lang	10. LEM	14. Science	18. Speech & Hearing
3. Distributive Ed	7. HPER	11. Math, Comp Sci	15. Social Science	
4. Elementary Ed	8. Home Ec	12. Music	16. Special Ed	

Table 43

Item: 38. Provides accurate and prompt feedback to learners about their performance.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	3	8	14	35	23	58	4.50
2. Business	43	0	0	0	0	5	12	21	49	17	40	4.28
3. Distributive Ed	15	0	0	1	7	2	13	4	27	8	53	4.27
4. Elementary Education	161	0	0	1	1	2	1	81	50	77	48	4.45
5. English	39	0	0	1	3	6	15	18	46	14	36	4.15
6. Foreign Language	15	0	0	2	13	1	7	3	20	9	60	4.27
7. HPER	83	1	1	1	1	6	7	42	51	33	40	4.27
8. Home Economics	48	0	0	1	2	1	2	29	60	17	35	4.29
9. Industrial Education	24	0	0	0	0	5	21	14	58	5	21	4.00
10. LEM	11	0	0	0	0	3	27	7	64	1	9	3.82
11. Math, Comp Science	33	0	0	0	0	4	12	12	36	17	52	4.39
12. Music	74	0	0	2	3	9	12	31	42	32	43	4.26
13. Psychology	5	0	0	0	0	0	0	4	80	1	20	4.20
14. Science	36	0	0	0	0	3	8	15	42	18	50	4.42
15. Social Science	39	0	0	1	3	2	5	23	59	13	33	4.23
16. Special Educ	176	0	0	2	1	9	5	65	37	100	57	4.49
17. Speech	11	1	0	0	0	0	0	6	55	4	36	4.09
18. Speech & Hearing	43	0	0	1	2	1	2	9	21	32	74	4.67
TOTAL	896	2	0	13	2	62	7	398	44	421	47	4.37

χ^2 = 152.13   p= 0.00   C= .38



Item 38. Provides accurate and prompt feedback to learners about their performance.

CODE FOR MAJORS

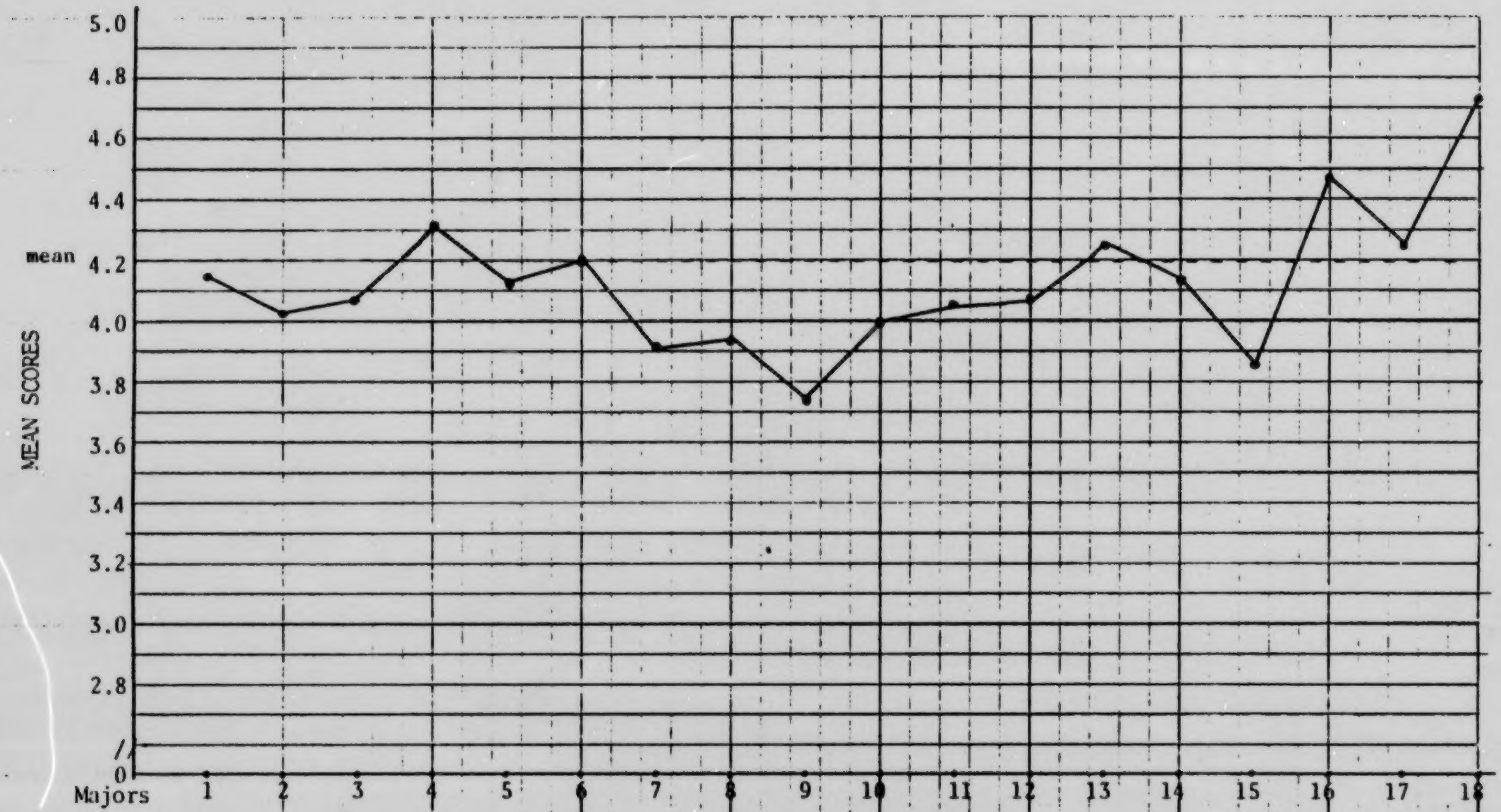
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 44

Item: 39. Diagnoses student progress or difficulties and prescribes appropriate instruction and materials.

		Responses 1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	0	0	0	0	8	20	18	45	14	35	4.15
2. Business	43	0	0	0	0	10	23	22	51	11	26	4.02
3. Distributive Ed	15	0	0	1	7	1	7	9	60	4	27	4.07
4. Elementary Education	159	0	0	2	1	17	11	70	44	70	44	4.31
5. English	39	1	3	2	5	3	8	18	46	15	39	4.13
6. Foreign Language	15	0	0	2	13	1	7	4	27	8	53	4.20
7. HPER	82	1	1	4	5	16	20	41	50	20	24	3.91
8. Home Economics	48	0	0	2	4	9	19	27	56	10	21	3.94
9. Industrial Education	24	0	0	0	0	8	33	14	58	2	8	3.75
10. LEM	12	0	0	0	0	2	17	8	67	2	17	4.00
11. Math, Comp Science	33	0	0	1	3	6	18	16	49	10	30	4.06
12. Music	73	1	1	5	7	10	14	29	40	28	38	4.07
13. Psychology	4	0	0	0	0	1	25	1	25	2	50	4.25
14. Science	36	0	0	1	3	4	11	20	56	11	31	4.14
15. Social Science	39	0	0	1	3	12	31	17	44	9	23	3.87
16. Special Educ	176	2	1	3	2	13	7	48	27	110	63	4.48
17. Speech	12	0	0	1	8	0	0	6	50	5	42	4.25
18. Speech & Hearing	43	0	0	1	2	2	5	5	12	35	81	4.72
TOTAL	893	5	1	26	3	123	14	373	42	366	41	4.20

χ^2 = 159.32 p= 0.00 C= .39



Item 39. Diagnoses student progress or difficulties and prescribes appropriate instruction and materials.

CODE FOR MAJORS

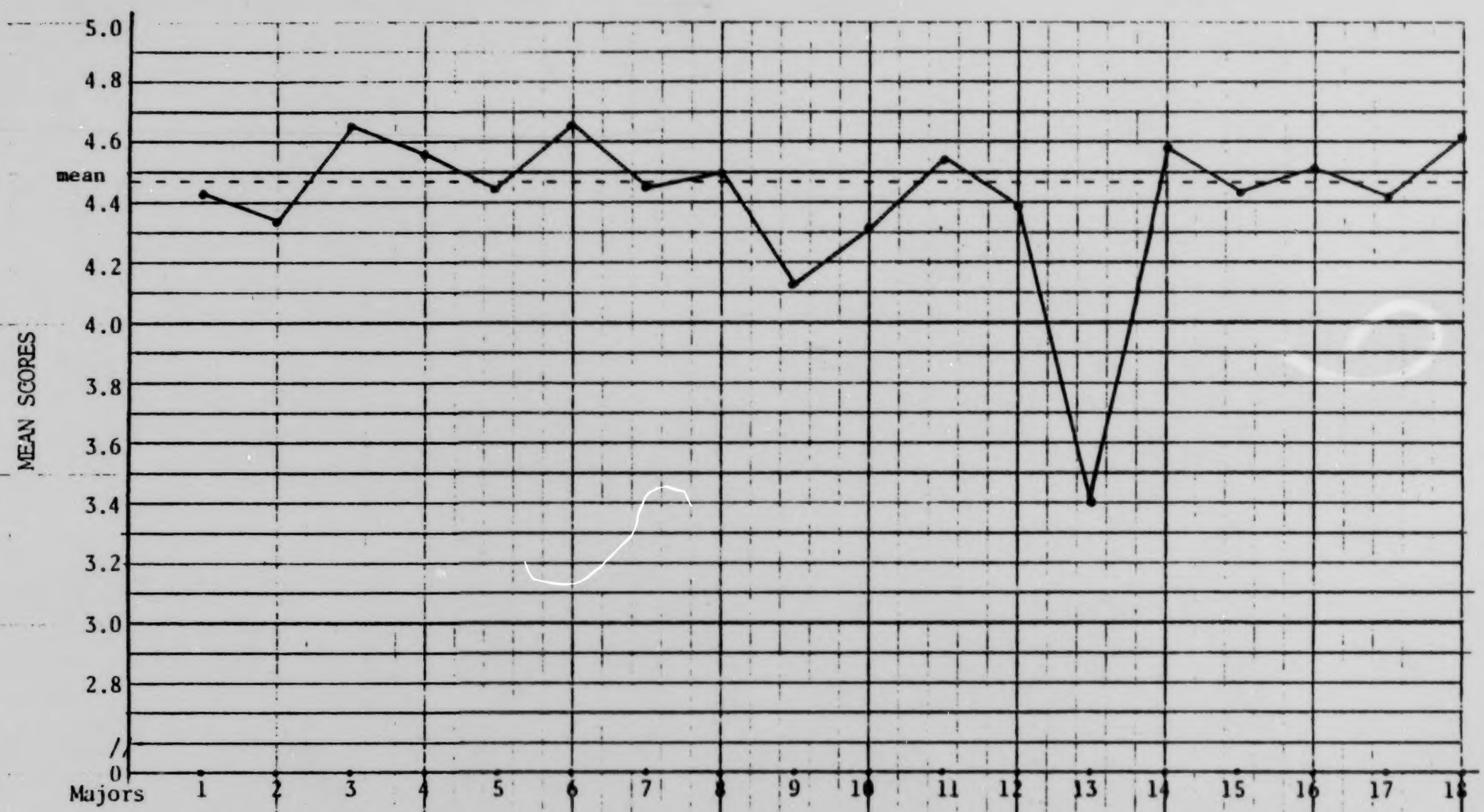
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 45

Item: 40. Has good working relationship with and is respected by his/her teaching colleagues.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	0	0	3	8	13	33	23	58	4.43
2. Business	43	0	0	1	2	5	12	15	35	22	51	4.35
3. Distributive Ed	15	0	0	0	0	2	13	1	7	12	80	4.67
4. Elementary Education	159	0	0	3	2	13	8	33	21	110	69	4.57
5. English	40	0	0	3	8	3	8	7	18	27	68	4.45
6. Foreign Language	15	0	0	0	0	1	7	3	20	11	73	4.67
7. HPER	84	3	4	2	2	4	5	19	23	56	67	4.46
8. Home Economics	48	1	2	1	2	2	4	13	27	31	65	4.50
9. Industrial Education	24	1	4	1	4	3	13	8	33	11	46	4.13
10. LEM	16	0	0	1	6	0	0	8	50	7	44	4.31
11. Math, Comp Science	33	0	0	2	6	1	3	7	21	23	70	4.55
12. Music	74	1	1	4	5	4	5	21	28	44	60	4.39
13. Psychology	5	2	40	0	0	0	0	0	0	3	60	3.40
14. Science	36	0	0	1	3	2	6	8	22	25	69	4.58
15. Social Science	39	0	0	1	3	2	5	15	39	21	54	4.44
16. Special Educ	176	2	1	8	5	8	5	39	22	119	68	4.51
17. Speech	12	0	0	0	0	2	17	3	25	7	58	4.42
18. Speech & Hearing	44	0	0	1	2	3	7	8	18	32	73	4.61
TOTAL	903	11	1	29	3	58	6	221	25	584	65	4.48

χ^2 = 120.20 p= .0001 C= .34



Item 40. Has good working relationship with and is respected by his/her teaching colleagues.

CODE FOR MAJORS

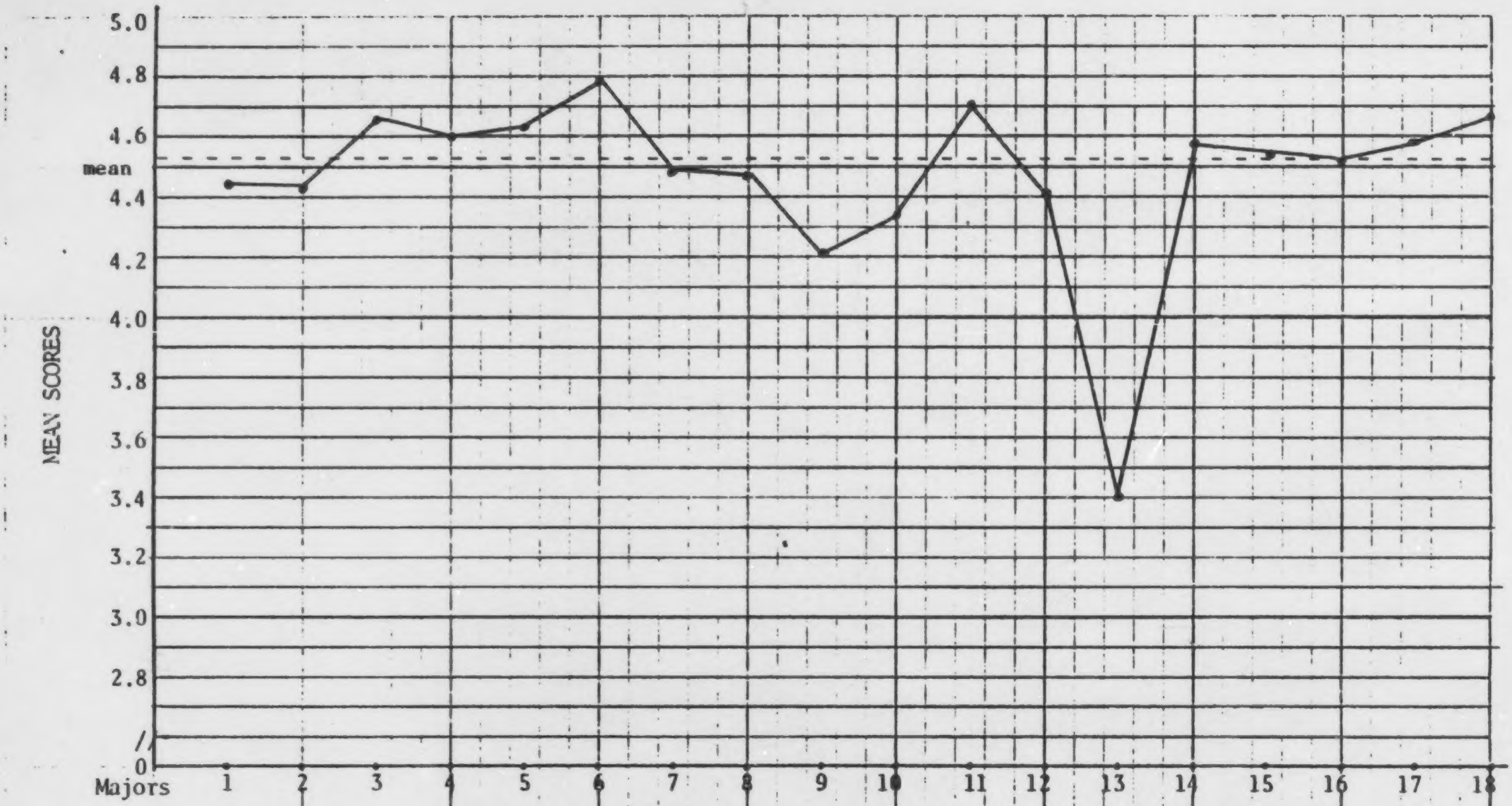
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 46

Item: 41. Works cooperatively and effectively with other teachers, specialists, administrators, students, and parents, regardless of their value system, race, religion, age, sex, socioeconomic status, etc.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	40	1	3	0	0	3	8	12	30	24	60	4.45
2. Business	43	0	0	1	2	3	7	15	35	24	56	4.44
3. Distributive Ed	15	0	0	1	7	1	7	0	0	13	87	4.67
4. Elementary Education	161	0	0	4	3	9	6	34	21	114	71	4.60
5. English	40	0	0	1	3	3	8	6	15	30	75	4.63
6. Foreign Language	14	0	0	0	0	0	0	3	21	11	79	4.79
7. HPER	83	2	2	2	2	5	6	18	22	56	68	4.49
8. Home Economics	48	1	2	0	0	3	6	15	31	29	60	4.48
9. Industrial Education	24	0	0	2	8	3	13	7	29	12	50	4.21
10. LEM	15	0	0	0	0	1	7	8	53	6	40	4.33
11. Math, Comp Science	33	0	0	0	0	2	6	6	18	25	76	4.70
12. Music	74	0	0	3	4	8	11	19	26	44	60	4.41
13. Psychology	5	2	40	0	0	0	0	0	0	3	60	3.40
14. Science	36	0	0	1	3	2	6	8	22	25	69	4.58
15. Social Science	39	0	0	0	0	3	8	12	31	24	62	4.54
16. Special Educ	176	3	2	9	5	6	3	33	19	125	71	4.52
17. Speech	12	0	0	0	0	2	17	1	8	9	75	4.58
18. Speech & Hearing	44	0	0	2	5	2	5	5	11	35	80	4.66
TOTAL	902	9	1	26	3	56	6	202	22	609	68	4.53

χ^2 = 142.43 p= 0.00 C= .37



Item 41. Works cooperatively and effectively with other teachers, specialists, administrators, students, and parents, regardless of their value system, race, religion, age, sex, socioeconomic status, etc.

CODE FOR MAJORS

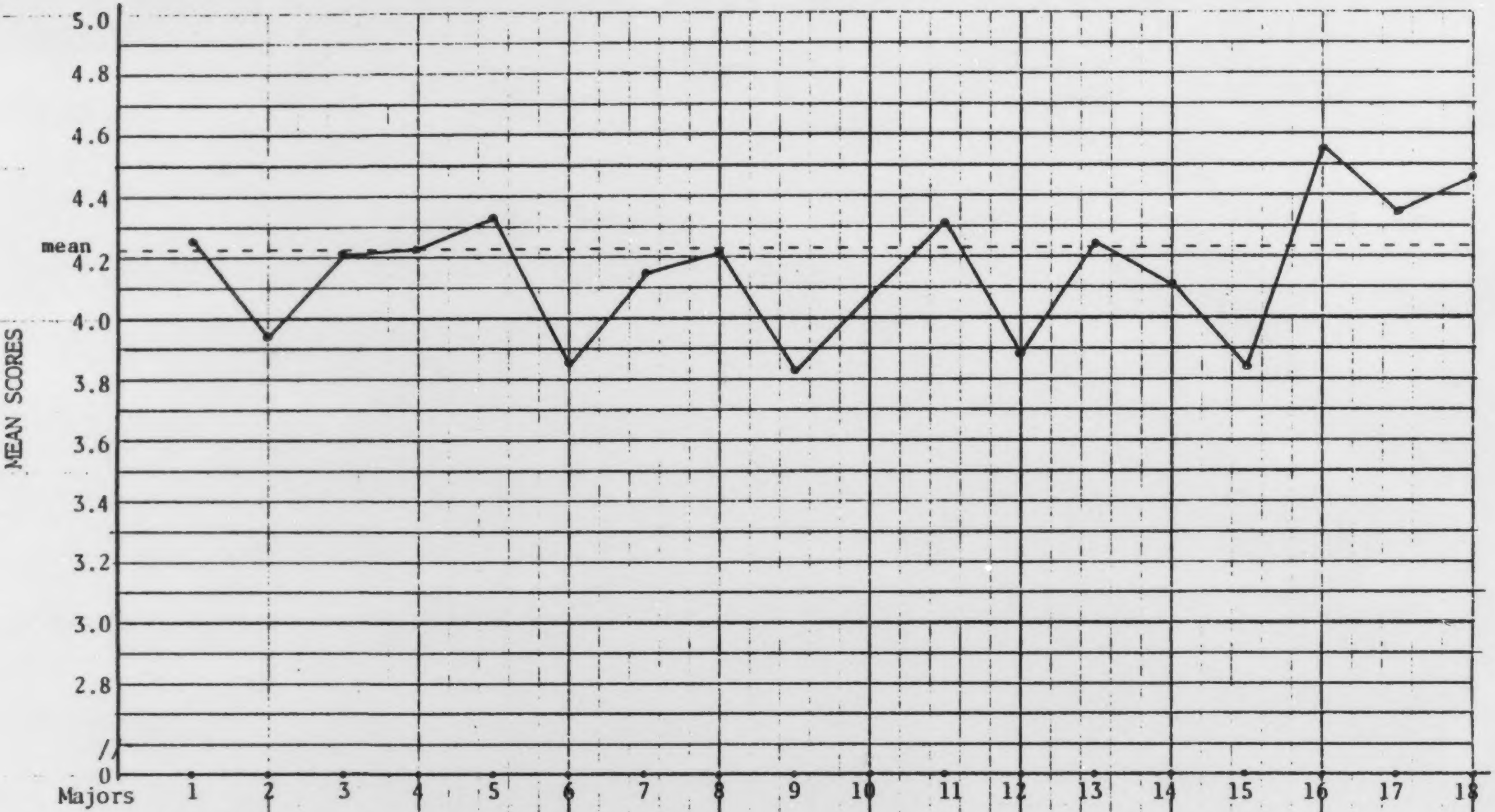
1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Table 47

Item: 42. Adequately guides the handicap pupils who have been (or may be) "mainstreamed" into her/his classroom.

		Responses										
		1		2		3		4		5		
	N	f	%	f	%	f	%	f	%	f	%	Mean
1. Art	37	0	0	1	3	5	14	14	38	17	46	4.27
2. Business	42	0	0	1	2	14	33	13	31	14	33	3.95
3. Distributive Ed	14	0	0	0	0	3	21	5	36	6	43	4.21
4. Elementary Education	153	1	1	1	1	35	23	43	28	73	48	4.22
5. English	40	0	0	0	0	4	10	19	48	17	43	4.33
6. Foreign Language	14	0	0	2	14	4	29	2	14	6	43	3.86
7. HPER	81	3	4	1	1	8	10	37	46	32	40	4.16
8. Home Economics	48	0	0	0	0	9	19	20	42	19	40	4.21
9. Industrial Education	24	0	0	2	8	6	25	10	42	6	25	3.83
10. LEM	13	0	0	0	0	2	15	8	62	3	23	4.08
11. Math, Comp Science	32	0	0	0	0	6	19	10	31	16	50	4.31
12. Music	65	1	2	1	2	22	34	21	32	20	31	3.89
13. Psychology	4	0	0	0	0	0	0	3	75	1	25	4.25
14. Science	35	0	0	1	3	10	29	8	23	16	46	4.11
15. Social Science	38	0	0	0	0	15	40	14	37	9	24	3.84
16. Special Educ	159	3	2	1	1	21	13	14	9	120	76	4.55
17. Speech	11	0	0	0	0	1	9	5	46	5	46	4.36
18. Speech & Hearing	39	1	3	0	0	7	18	3	8	28	72	4.46
TOTAL	849	9	1	11	1	172	20	249	29	408	48	4.22

χ^2 = 180.51 P= 0.00 C= .42



Item 42. Adequately guides the handicap pupils who have been (or may be) "mainstreamed" into her/his classroom.

CODE FOR MAJORS

1. Art
2. Business
3. Distributive Ed
4. Elementary Ed
5. English
6. Foreign Lang
7. HPER
8. Home Ec
9. Industrial Ed
10. LEM
11. Math, Comp Sci
12. Music
13. Psychology
14. Science
15. Social Science
16. Special Ed
17. Speech
18. Speech & Hearing

Section 4

The Evaluative Findings-By Years of Teaching Experience

It was possible to separate approximately 850 teaching evaluations by number of years of teaching experience. Summaries of these findings are presented in Tables49.1 through 49.11, presented at the end of this section.

For illustration purposes, Table 49.1 indicates that for item one, 136 first year teachers, 187 second, 247 third, 173 fourth, and 99 fifth year teachers were evaluated by their principals for giving clear directions and explanations. The five means showed some variation but not much -- all hovering near the overall mean of 4.47. The chi-square of 14.91 with a "p" value of .53 indicates that for all practical purposes the teachers at the various experience levels were rated equivocally -- all rather high on the 5 point scale.

Significant chi-square differences were found for 7 of the 42 competencies. In other words, the principals noted significant differences in the behaviors of the teachers at the various years of experience for 7 of the 42 competencies. These seven were:

7. Maintains an educational environment conducive to developing positive attitudes toward learning.
9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.
22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.
26. Uses skillful questions that lead pupils to analyze, synthesize and think critically.
28. Expresses humor when appropriate.
32. Requests appropriate professional assistance when needed.
42. Adequately guides the handicap pupils who have been (or may be) "mainstreamed" into her/his classroom.

The graph on the following page attempts to show the relationships between the evaluations and years of experience for these seven teaching competencies.

The graph shows that the principals perceived the fifth year teachers as possessing a greater amount of competency/proficiency than the others. It would then appear that the first year teachers were rated second best -- with the second, third, and fourth year teachers flip-flopping and alternating for 3rd, 4th, and 5th best positions.

Table 48.1 presents another summary analysis of the perceived competencies of our graduates and the contrasts between years of teaching experience.

Table 48.1

Contrasts Between Mean Ratings and Years of Experience

For the 42 Competencies

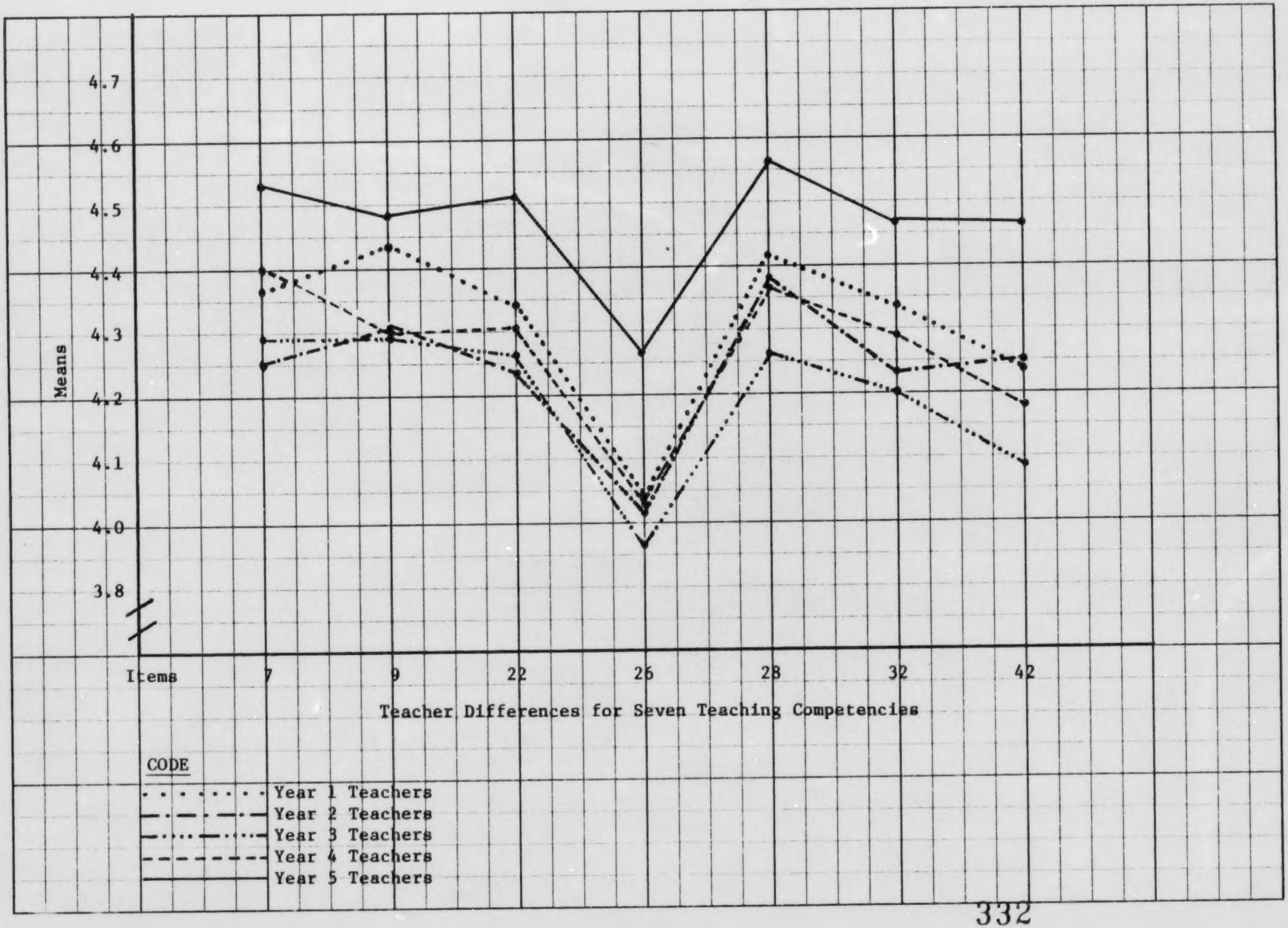
Experience	Number of times item year mean was above composite mean for item	Mean of the means
1 years	31 (74%)	4.36
2 years	10 (24%)	4.30
3 years	5 (12%)	4.29
4 years	19 (45%)	4.32
5 years	42 (100%)	4.46

Data in Table 48.1 reveals that the highest overall mean was for the 5th year teachers (4.46) and that the principals rated the competency of these teachers above the average for each of the 42 items.

The next best performance was that related to first-year teachers where the mean was 4.36 and 74% of their item means was above "average."

The interested reader may ascertain the perceived competence of the 2nd, 3rd, and 4th year teachers by further examining data presented in Table 48.1.

Another overall summary of the type of data presented in Tables 49.1 to 49.11 is presented in Table 48.2. Table 48.2 presents a summary of


Means
4.7
4.6
4.5
4.4
4.3
4.2
4.1
4.0
3.8
Items
7
9
22
26
28
32
42
Teacher Differences for Seven Teaching Competencies
CODE
Year 1 Teachers
Year 2 Teachers
Year 3 Teachers
Year 4 Teachers
Year 5 Teachers

840 principals' "teacher evaluations" broken down by years of experience for the following item:

> Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience is:
>
> ____ 5. Excellent, very adequate, way above average, etc.
> ____ 4. Above average, good, etc.
> ____ 3. Average, adequate, etc.
> ____ 2. Somewhat below average, etc.
> ____ 1. Poor, inadequate, way below average, etc.

Table 48.2
Responses to Item 43

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	3	2	21	15	51	37	62	45	4.26
2	186	0	0	8	4	27	15	80	43	71	38	4.15
3	249	2	1	8	3	40	16	109	44	90	36	4.11
4	170	4	2	6	4	28	17	57	34	75	44	4.14
5	98	1	1	1	1	10	10	34	35	52	53	4.38
Totals	840	7	1	26	3	126	15	331	39	350	42	4.18

The data presented in Table 48.2 reveal that the principals perceived the graduates of BGSU with 5 years teaching experience as being most proficient, recent graduates with somewhat less than one year of experience to be second best and very little difference between the teaching experiences of our graduates with 2, 3, and 4 years experience. These findings agree very closely with those presented on the graph of the seven items depicting significant yearly differences (page 102).

It should be noted that the evaluations for each year and overall are very positive -- 42% excellent, 39% above average, and only 19% average and below.

It is certainly a plus for BGSU to have its first-year teachers rated in teaching performance very closely to its fifth-year teachers. The College could rightfully claim some if not much credit for the success of its first-year teachers. It is questionable whether the College should claim much credit at all for the success of its fourth-fifth-year teachers. Teaching experience, models of other teachers, inservice, help of supervisors, advanced course work, etc have all contributed to forming a different product than was graduated from BGSU four to five years previously.

One should probably address the circumstance of not finding a continuous improvement from year 1 to year 5. The preparer of this report offers two seemingly possible explanations for this lack of growth. Both explanations presuppose valid principal ratings of the teachers' performances for each year of experience.

1. The first-year teachers are very enthusiastic about their first job -- are somewhat uncertain about whether they can be successful -- and most give the job 150% effort. (Hopefully the recent guidance of BGSU also contributes to their success.)
2. There could be a psychological "let-down" after the first-year. The teachers have proved that they could teach, their professional (graduate study, committees, etc) and personal worlds (marriage, children, debts, etc) are probably expanding. Some may also be questioning whether teaching is really for them and may be searching for other job/professional opportunities. For the men especially, holding down part-time employment during after school hours is probably more prevalent after, than during, year 1.

   By year 5, we are probably left with mostly professional educators. They have, in all probability, decided to remain in education for the rest of their career. Most by this time have also earned multi-year contracts.

The remainder of this section presents specific competency findings via Tables 49.1 to 49.11.

Principals' Evaluations
of
Basic Graduates by
Years of Their Experience

Table 49.1

Item: 1 Gives clear directions and explanations.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	4	3	55	40	74	54	4.47
2	187	1	1	3	2	2	1	86	46	95	51	4.45
3	247	1	0	4	2	13	5	99	40	130	53	4.43
4	173	1	1	1	1	6	4	72	41	93	54	4.47
5	99	0	0	1	1	2	2	32	32	64	65	4.61
Totals	842	3	0	12	1	37	3	344	41	456	54	4.47

$\chi^2 = 14.91$ p = .53 C = .13

Item: 2. Evidences fairness, tact, compassion and good judgment in dealing with pupils.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	1	1	5	4	6	4	46	34	79	58	4.44
2	188	1	1	7	4	9	5	83	44	88	47	4.33
3	246	2	1	7	3	18	7	103	42	116	47	4.32
4	173	3	2	6	4	15	9	57	33	92	53	4.32
5	98	1	1	1	1	6	6	28	29	62	63	4.52
Totals	842	8	1	26	3	54	6	317	38	437	52	4.36

$\chi^2 = 19.23$ p = .26 C = .15

Item: 3. Demonstrates knowledge in the subject areas.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	1	1	4	3	51	38	80	59	4.54
2	188	0	0	2	1	4	2	57	30	125	67	4.62
3	247	0	0	2	1	5	2	90	36	150	61	4.57
4	172	1	1	1	1	5	3	50	29	115	67	4.61
5	100	0	0	2	2	6	6	22	22	70	70	4.60
Totals	843	1	0	8	1	24	3	270	32	540	64	4.59

$\chi^2 = 18.38$ p = .30 C = .15

Item: 4. Gives students individual help or attention.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	0	0	11	8	33	24	93	70	4.60
2	189	0	0	1	1	10	5	55	29	123	65	4.59
3	247	1	0	1	0	14	6	83	34	148	60	4.52
4	171	1	1	1	1	11	6	55	32	103	60	4.51
5	99	0	0	2	2	4	4	18	18	75	76	4.68
Totals	843	2	0	5	1	50	6	244	29	542	64	4.56

$\chi^2 = 19.42$ p = .25 C = .15

Table 49.2

Item: 5. Provides opportunities for all ability levels of pupils to respond and participate.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	6	4	11	8	57	42	63	46	4.29
2	188	0	0	0	0	21	11	79	42	88	47	4.36
3	245	1	0	8	3	27	11	101	41	108	44	4.25
4	171	1	1	5	3	13	8	75	44	77	45	4.30
5	99	0	0	4	4	5	5	29	29	61	62	4.48
Totals	840	2	0	23	3	77	9	341	41	397	47	4.32

$\chi^2 = 22.56$ p = .13 C = .16

Item: 6. Demonstrates enthusiasm for teaching and learning and for the subject being taught at the time.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	1	1	2	2	48	35	86	63	4.60
2	187	0	0	5	3	11	6	50	27	121	65	4.53
3	247	1	0	3	1	19	8	74	30	150	61	4.49
4	173	2	1	2	1	13	8	53	31	103	60	4.46
5	99	1	1	2	2	5	5	27	27	64	65	4.53
Totals	843	4	1	13	2	50	6	252	30	524	62	4.52

$\chi^2 = 15.92$ p = .46 C = .14

Item: 7. Maintains an educational environment conducive to developing positive attitudes toward learning.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	1	1	2	2	14	10	49	36	71	52	4.37
2	186	1	1	10	5	18	10	70	38	87	47	4.25
3	247	2	1	14	6	12	5	102	41	117	47	4.29
4	173	5	3	3	2	8	5	59	34	98	57	4.40
5	98	1	1	2	2	6	6	24	25	65	66	4.53
Totals	841	10	1	31	4	58	7	304	36	438	52	4.34

$\chi^2 = 33.40$ p = .0065 C = .20

Item: 8. Uses effectively a variety of verbal and non-verbal classroom communication techniques.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	5	4	16	12	57	42	58	43	4.24
2	187	1	1	4	2	24	13	92	49	66	35	4.17
3	246	2	1	10	4	34	14	97	39	103	42	4.17
4	171	3	2	1	1	20	12	68	40	79	46	4.28
5	99	0	0	3	3	10	10	34	34	52	53	4.36
Totals	839	6	1	23	3	104	12	348	42	358	43	4.23

$\chi^2 = 19.98$ p = .22 C = .15

Item: 9. Maintains a social classroom atmosphere which reflects enthusiasm, warmth, support, and respect.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	12	9	44	32	77	57	4.43
2	187	0	0	13	7	8	4	74	40	92	49	4.31
3	247	5	2	11	5	15	6	93	38	123	50	4.29
4	172	6	4	2	1	15	9	61	36	88	51	4.30
5	98	0	0	3	3	8	8	26	27	61	62	4.48
Totals	840	11	1	32	4	58	7	298	36	441	53	4.34

$\chi^2 = 32.74$ p = .008 C = .19

Item: 10. Maintains self-control in classroom situations with pupils.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	6	4	9	7	54	40	67	49	4.34
2	186	2	1	10	5	8	4	69	37	97	52	4.34
3	246	3	1	11	5	19	8	93	38	120	49	4.28
4	173	2	1	4	2	14	8	61	35	92	53	4.37
5	98	0	0	1	1	7	7	25	26	65	66	4.57
Totals	839	7	1	32	4	57	7	302	36	441	53	4.36

$\chi^2 = 18.15$ p = .32 C = .15

Item: 11. Controls disruptive or deviant pupil behavior objectively.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	2	2	8	6	12	9	60	44	55	40	4.15
2	186	1	1	9	5	28	15	84	45	64	34	4.08
3	245	4	2	10	4	33	14	111	45	87	36	4.09
4	172	4	2	10	6	15	9	67	39	76	44	4.17
5	98	1	1	3	3	7	7	38	39	49	50	4.34
Totals	838	12	1	40	5	95	11	360	43	331	40	4.14

$\chi^2 = 17.86$ p = .33 C = .14

Item: 12. Selects goals and objective appropriate to pupil needs.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	3	2	11	8	53	39	70	51	4.39
2	188	0	0	4	2	14	7	90	48	80	43	4.31
3	246	1	0	9	4	19	8	105	43	112	46	4.29
4	171	1	1	3	2	17	10	68	40	82	48	4.33
5	99	2	2	1	1	7	7	37	37	52	53	4.37
Totals	841	4	1	20	2	68	8	353	42	396	47	4.33

$\chi^2 = 15.10$ p = .52 C = .13

Item: 13. Prepares lessons that are well organized and cohesive.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	1	1	13	10	48	35	73	54	4.40
2	184	0	0	2	1	21	11	55	30	106	58	4.44
3	244	0	0	5	2	29	12	69	28	141	58	4.42
4	173	2	1	1	1	11	6	63	36	96	56	4.45
5	99	2	2	1	1	6	6	31	31	59	60	4.45
Totals	836	5	1	10	1	80	10	266	32	475	57	4.43

$\chi^2 = 17.67$ $p = .34$ $C = .14$

Item: 14. Promotes self-awareness and positive self-image in pupils.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	1	1	3	2	11	8	51	37	71	52	4.37
2	189	1	1	3	2	24	13	73	39	88	47	4.29
3	245	1	0	8	3	25	10	112	46	99	40	4.22
4	169	3	2	4	2	16	10	57	34	89	53	4.33
5	96	0	0	3	3	8	8	30	31	55	57	4.43
Totals	836	6	1	21	3	84	10	323	39	402	48	4.31

$\chi^2 = 18.95$ $p = .27$ $C = .15$

Item: 15. Modifies instruction appropriate to identified learner needs.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	4	3	17	13	52	38	62	46	4.25
2	187	0	0	4	2	22	12	97	52	64	34	4.18
3	245	1	0	9	4	35	14	106	43	94	38	4.16
4	172	1	1	5	3	18	11	71	41	77	45	4.27
5	97	1	1	4	4	5	5	38	39	49	51	4.34
Totals	837	4	1	26	3	97	12	364	44	346	41	4.22

$\chi^2 = 18.60$ $p = .29$ $C = .15$

Item: 16. Accepts responsibility.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	2	2	6	4	31	23	98	72	4.64
2	189	2	1	4	2	12	6	45	24	126	67	4.53
3	245	1	0	9	4	11	5	59	24	165	67	4.54
4	173	2	1	5	3	11	6	40	23	115	67	4.51
5	100	1	1	2	2	8	8	14	14	75	75	4.60
Totals	844	6	1	22	3	48	6	189	22	579	69	4.56

$\chi^2 = 11.31$ $p = .79$ $C = .11$

Item: 17. Encourages students to take responsibility for their own work.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	9	7	50	37	74	54	4.43
2	187	0	0	2	1	14	8	82	44	89	48	4.38
3	246	1	0	5	2	16	7	87	35	137	56	4.44
4	173	1	1	0	0	9	5	66	38	97	56	4.49
5	97	0	0	2	2	8	8	31	32	56	58	4.45
Totals	839	2	0	12	1	56	7	316	38	453	54	4.44

$\chi^2 = 12.43$ p = .71 C = .12

Item: 18. Uses acceptable written and oral expression with learners.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	2	2	9	7	52	38	73	54	4.44
2	189	0	0	1	1	14	7	84	44	90	48	4.39
3	244	2	1	6	3	21	9	83	34	132	54	4.38
4	173	1	1	4	2	10	6	65	38	93	54	4.42
5	99	0	0	1	1	7	7	28	28	63	64	4.55
Totals	841	3	0	14	2	61	7	312	37	451	54	4.42

$\chi^2 = 16.18$ p = .44 C = .14

Item: 19. Demonstrates ability to work with individuals, small groups, and large groups.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	134	1	1	4	3	10	8	47	35	72	54	4.38
2	186	0	0	6	3	12	7	76	41	92	50	4.37
3	245	0	0	5	2	24	10	85	35	131	54	4.40
4	170	0	0	6	4	13	8	53	31	98	58	4.43
5	98	0	0	2	2	9	9	23	24	64	65	4.52
Totals	833	1	0	23	3	68	8	284	34	457	55	4.41

$\chi^2 = 17.65$ p = .34 C = .14

Item: 20. Identifies and evaluates learning problems of students in content area being taught.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	135	0	0	2	2	27	20	48	36	58	43	4.20
2	187	0	0	4	2	27	14	87	47	69	37	4.18
3	245	0	0	6	2	39	16	114	47	86	35	4.14
4	172	1	1	3	2	25	15	82	48	61	36	4.16
5	97	0	0	3	3	15	16	31	32	48	50	4.28
Totals	836	1	0	18	2	133	16	362	43	322	39	4.18

$\chi^2 = 18.22$ p = .31 C = .15

Item: 21. Uses positive reinforcement patterns with students.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	11	8	54	40	68	50	4.38
2	189	0	0	6	3	17	9	78	41	88	47	4.31
3	245	2	1	7	3	20	8	107	44	109	45	4.28
4	171	3	2	5	3	13	8	79	46	71	42	4.23
5	98	0	0	1	1	7	7	36	37	54	55	4.46
Totals	839	5	1	22	3	68	8	354	42	390	47	4.31

χ^2 = 13.05   p = .67   C = .12

Item: 22. Employs a variety of appropriate instructional strategies and techniques to achieve objectives.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	2	2	13	10	54	40	66	49	4.34
2	186	0	0	6	3	24	13	77	41	79	43	4.23
3	243	0	0	10	4	30	12	88	36	115	47	4.27
4	172	2	1	1	1	17	10	73	42	79	46	4.31
5	97	1	1	2	2	9	9	20	21	65	67	4.51
Totals	834	4	1	21	3	93	11	312	37	404	48	4.31

χ^2 = 30.39   p = .02   C = .19

Item: 23. Has realistic expectations for student learning.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	2	2	11	8	67	49	55	40	4.27
2	189	0	0	5	3	15	8	94	50	75	40	4.26
3	247	1	0	3	1	21	9	116	47	106	43	4.31
4	172	1	1	5	3	16	9	66	38	84	49	4.32
5	96	0	0	3	3	6	6	29	30	58	60	4.48
Totals	840	3	0	18	2	69	8	372	44	378	45	4.31

χ^2 = 20.74   p = .19   C = .16

Item: 24. Selects, prepares, and effectively utilizes educational media.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	2	2	3	2	10	7	64	47	57	42	4.26
2	184	1	1	7	4	24	13	78	42	74	40	4.18
3	244	3	1	5	2	40	16	101	41	95	39	4.15
4	170	2	1	4	2	16	9	71	42	77	45	4.28
5	98	2	2	2	2	10	10	34	35	50	51	4.31
Totals	832	10	1	21	3	100	12	348	42	353	42	4.22

χ^2 = 15.70   p = .47   C = .14

Item: 25. Maintains a challenging level of instruction.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	1	1	12	9	54	40	68	50	4.38
2	186	2	1	4	2	16	9	80	43	84	45	4.29
3	246	2	1	6	2	25	10	100	41	113	46	4.28
4	172	2	1	7	4	15	9	63	37	85	49	4.29
5	96	1	1	2	2	9	9	27	28	57	59	4.43
Totals	836	8	1	20	2	77	9	324	39	407	39	4.32

$\chi^2 = 11.60$ p = .77 C = .12

Item: 26. Uses skillful questions that lead pupils to analyze, synthesize and think critically.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	131	0	0	8	6	19	15	64	49	40	31	4.04
2	182	0	0	5	3	40	22	85	47	52	29	4.01
3	245	2	1	9	4	54	22	110	45	70	29	3.97
4	168	2	1	9	5	31	19	66	39	60	36	4.03
5	96	1	1	3	3	13	14	32	33	47	49	4.26
Totals	822	5	1	34	4	157	19	357	43	269	33	4.04

$\chi^2 = 26.30$ p = .05 C = .18

Item: 27. Uses valid criteria and procedures for determining pupil achievement of learning objectives.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	135	0	0	3	2	14	10	55	41	63	47	4.32
2	186	0	0	5	3	15	8	98	53	68	37	4.23
3	245	1	0	5	2	32	13	113	46	94	38	4.20
4	168	1	1	2	1	21	13	77	46	67	40	4.23
5	96	0	0	3	3	9	9	29	30	55	57	4.42
Totals	830	2	0	18	2	91	11	372	45	347	42	4.26

$\chi^2 = 22.71$ p = .12 C = .16

Item: 28. Expresses humor when appropriate.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	5	4	7	5	52	38	73	53	4.41
2	187	0	0	2	1	13	7	85	46	87	47	4.37
3	247	0	0	10	4	30	12	92	37	115	47	4.26
4	173	2	1	4	2	16	9	58	34	93	54	4.36
5	99	1	1	2	2	4	4	26	26	66	67	4.56
Totals	843	3	0	23	3	70	8	313	37	434	52	4.37

$\chi^2 = 33.38$ p = .007 C = .20

Item: 29. Motivates students to ask questions.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	135	0	0	5	4	17	13	59	44	54	40	4.20
2	186	0	0	5	3	28	15	87	47	66	36	4.15
3	244	1	0	7	3	37	15	108	44	91	37	4.15
4	172	1	1	6	4	27	16	61	36	77	45	4.20
5	96	0	0	2	2	9	9	28	29	57	59	4.46
Totals	833	2	0	25	3	118	14	343	41	345	41	4.21

$\chi^2 = 22.69$ p = .12 C = .16

Item: 30. Expresses a positive personal attitude toward the teaching profession.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	134	0	0	2	2	6	5	31	23	95	71	4.63
2	188	1	1	7	4	17	9	40	21	123	65	4.47
3	246	1	0	7	3	20	8	68	28	150	61	4.46
4	172	4	2	4	2	15	9	47	27	102	59	4.39
5	98	1	1	3	3	4	4	17	17	73	75	4.61
Totals	838	7	1	23	3	62	7	203	24	543	65	4.49

$\chi^2 = 20.41$ p = .20 C = .15

Item: 31. Teaches reading in his/her grade or subject area.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	129	6	5	6	5	26	20	28	22	63	49	4.05
2	168	17	10	12	7	44	26	35	20	60	36	3.65
3	230	14	6	15	7	53	23	60	26	88	38	3.84
4	161	12	8	13	8	44	27	24	15	68	42	3.76
5	93	6	7	3	3	22	24	18	19	44	47	3.98
Totals	781	55	7	49	6	189	24	165	21	323	41	3.83

$\chi^2 = 18.79$ p = .28 C = .15

Item: 32. Requests appropriate professional assistance when needed.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	2	2	5	4	10	7	48	35	72	53	4.34
2	189	1	1	9	5	19	10	77	41	83	44	4.23
3	246	4	2	7	3	24	10	111	45	100	41	4.20
4	171	2	1	7	4	20	12	52	30	90	53	4.29
5	98	1	1	4	4	8	8	20	20	65	66	4.47
Totals	841	10	1	32	4	81	10	308	37	410	49	4.28

$\chi^2 = 30.12$ p = .02 C = .19

Item: 33. Uses more than one method in a single presentation to achieve instructional objectives.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	1	1	4	3	15	11	50	37	66	49	4.29
2	186	0	0	8	4	19	10	76	41	83	45	4.26
3	244	2	1	10	4	26	11	104	43	102	42	4.20
4	170	2	1	4	2	12	7	76	45	76	45	4.29
5	95	1	1	2	2	8	8	26	27	58	61	4.45
Totals	831	6	1	28	3	80	10	332	40	385	46	4.28

$\chi^2 = 17.26$ p = .37 C = .14

Item: 34. Determines student readiness for learning.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	132	2	2	3	2	27	21	56	42	44	33	4.04
2	186	0	0	8	4	35	19	81	44	62	33	4.06
3	243	3	1	6	3	49	20	103	42	82	34	4.05
4	167	1	1	6	4	36	22	63	38	61	37	4.06
5	95	1	1	2	2	15	16	36	38	41	43	4.20
Totals	823	7	1	25	3	162	20	339	41	290	35	4.07

$\chi^2 = 9.33$ p = .90 C = .11

Item: 35. Uses information about the effectiveness of his/her instructional program to revise it.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	2	2	5	4	16	12	65	48	48	35	4.12
2	185	1	1	9	5	22	12	85	46	68	37	4.14
3	243	2	1	7	3	34	14	107	44	93	38	4.16
4	171	2	1	6	4	24	14	72	42	67	39	4.15
5	95	1	1	5	5	11	12	28	30	50	53	4.27
Totals	830	8	1	32	4	107	13	357	43	326	39	4.16

$\chi^2 = 13.74$ p = .62 C = .13

Item: 36. Follows the policies and procedures of the school district.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	1	1	1	1	6	4	32	23	97	71	4.63
2	188	1	1	6	3	8	4	43	23	130	69	4.57
3	248	3	1	4	2	11	4	65	26	165	67	4.55
4	173	3	2	3	2	11	6	40	23	116	67	4.52
5	98	1	1	2	2	6	6	12	12	77	79	4.65
Totals	844	9	1	16	2	42	5	192	23	585	69	4.57

$\chi^2 = 13.33$ p = .65 C = .12

Item: 37. Conveys the impression of knowing what to do and how to do it.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	3	2	8	6	49	36	77	56	4.46
2	188	1	1	5	3	15	8	53	28	114	61	4.46
3	248	3	1	6	2	16	7	81	33	142	57	4.42
4	173	3	2	4	2	13	8	48	28	105	61	4.43
5	99	0	0	3	3	5	5	16	16	75	76	4.65
Totals	845	7	1	21	3	57	7	247	29	513	61	4.47

χ^2 = 19.34 p = .25 C = .15

Item: 38. Provides accurate and prompt feedback to learners about their performance.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	2	2	9	7	62	46	63	46	4.37
2	188	1	1	4	2	9	5	100	53	74	39	4.29
3	245	0	0	2	1	20	8	112	46	111	45	4.36
4	172	1	1	3	2	12	7	75	44	81	47	4.35
5	95	0	0	2	2	7	7	27	28	59	62	4.51
Totals	836	2	0	13	2	57	7	376	45	388	46	4.36

χ^2 = 21.84 p = .15 C = .16

Item: 39. Diagnoses student progress or difficulties and prescribes appropriate instruction and materials.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	18	13	59	43	56	41	4.24
2	185	1	1	4	2	29	16	81	44	70	38	4.16
3	245	2	1	8	3	36	15	105	43	94	38	4.15
4	172	1	1	6	4	21	12	73	42	71	41	4.20
5	95	0	0	5	5	12	13	28	30	50	53	4.29
Totals	833	4	1	26	3	116	14	346	42	341	41	4.19

χ^2 = 12.98 p = .67 C = .12

Item: 40. Has good working relationship with and is respected by his/her teaching colleagues.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	136	0	0	3	2	8	6	33	24	92	68	4.57
2	188	2	1	6	3	14	7	50	27	116	62	4.45
3	249	2	1	8	3	17	7	67	27	155	62	4.47
4	173	6	4	4	2	10	6	36	21	117	68	4.47
5	97	1	1	4	4	5	5	19	20	68	70	4.54
Totals	843	11	1	25	3	54	6	205	24	548	65	4.49

χ^2 = 14.60 p = .55 C = .13

Item: 41. Works cooperatively and effectively with other teachers, specialists, administrators, students, and parents, regardless of their value system, race, religion, age, sex, socioeconomic status, etc.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	135	0	0	3	2	8	6	24	18	100	74	4.64
2	189	1	1	8	4	11	6	40	21	129	68	4.52
3	248	3	1	3	1	17	7	68	27	157	63	4.50
4	172	4	2	3	2	12	7	38	22	115	67	4.49
5	98	1	1	4	4	4	4	17	17	72	74	4.58
Totals	842	9	1	21	3	52	6	187	22	573	68	4.54

$\chi^2 = 18.37$ p = .30 C = .15

Item: 42. Adequately guides the handicap pupils who have been (or may be) "mainstreamed" into her/his classroom.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	127	1	1	2	2	29	23	28	22	67	53	4.24
2	174	1	1	1	1	28	16	67	39	77	44	4.25
3	233	3	1	4	2	59	25	69	30	98	42	4.09
4	169	3	2	2	1	39	23	43	25	82	49	4.18
5	93	0	0	1	1	11	12	25	27	56	60	4.46
Totals	796	8	1	10	1	166	21	232	29	380	48	4.21

$\chi^2 = 26.20$ p = .05 C = .18

Item: 43. Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience, is:

____5. Excellent, very adequate, way above average, etc.
____4. Above average, good, etc.
____3. Average, adequate, etc.
____2. Somewhat below average, etc.
____1. Poor, inadequate, way below average, etc.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	3	2	21	15	51	37	62	45	4.26
2	186	0	0	8	4	27	15	80	43	71	38	4.15
3	249	2	1	8	3	40	16	109	44	90	36	4.11
4	170	4	2	6	4	28	17	57	34	75	44	4.14
5	98	1	1	1	1	10	10	34	35	52	53	4.38
Totals	840	7	1	26	3	126	15	331	39	350	42	4.18

$\chi^2 = 22.25$ p = .14 C = .16

"An Appraisal of My Preparation As A Teacher at Bowling Green State University"

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An Evaluative Follow-Up (By Years of Teaching Experience) of a Sample of the 1975-1980 Graduates of the Basic Programs

(Limited to 694 responding graduates who
were teaching in the State of
Ohio during Spring, 1981)

Booklet 3 of 3

A Report Prepared for and
Distributed to the Faculty of
the College of Education

by
Office of Educational Research & Services
College of Education
Fred L. Pigge, Director

January, 1983

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*Refers to sections of the instrument.

Section 1

Introduction, Procedures, Copy of the Instrument, and an Overall Evaluation of BGSU Teacher Education Programs and Graduates

The College of Education is committed to regular evaluative follow-ups of its graduates. The present study covers the graduates of 1975 to and including 1980.

The Instrument

During the spring quarter 1981, copies of the instrument presented on pages 3, 4, . . 10 were sent to 1386 of our former students who were teaching in the State of Ohio. (See Section 2 for a description of the population and sample.)

The instrument was designed to gather specific and general evaluative information from graduates of each program area. Two report booklets summarize the teachers' responses to the items: report booklet #1 which summarizes responses by majors and the present booklet (3 of 3) which summarizes the teachers' responses by years of teaching experience.

A second booklet presents an evaluation of the on-the-job performances of these teachers. This information was provided by the supervising principals of these teachers.

Both instruments (present program evaluation and teacher performance evaluation) were developed/designed by the Office of Educational Research and Services. The personnel of this office, in the construction of these instruments, drew upon the content and/or experiences of having worked with:

1. Instruments that have been used at BGSU. The initial batch of these instruments were partially based upon the findings of a quasi-nationwide request for follow-up instruments being used

at other institutions during the early 1970's.

2. More recent instruments in use at other institutions. These were obtained through personal or cohort contact — also from papers read at (or published by) AERA, AACTE, etc.
3. Suggestions of program faculty/staff/administrators at BGSU.
4. Publications of regional, state and professional accrediting/licensing agencies.
5. A state-wide study entitled "The Identification of Generic Concepts of Effective Teaching as Related to the Ohio Standards" and completed by the Ohio Study Council for Research and Evaluation, 1979-80.
6. Materials published by College of Education, University of Georgia and/or Georgia State Department of Education in relation to *Teacher Performance Assessment Instruments*.
7. The Research and Development Center for Teacher Education, The University of Texas at Austin.

Procedures

A copy of the instrument entitled "An Appraisal of My Preparation as a Teacher at BGSU" was initially sent to our teaching graduates during early March, 1981. A reminder was sent to non-respondents during early April. Their responses are summarized in Booklet 1 and the present booklet (3 of 3). The instrument "An Appraisal of the Performance of a Teacher Prepared at BGSU" was sent to the principals of the aforementioned teachers during mid-April, 1981. A reminder was sent to the non-respondents during early May. These responses are summarized in Booklet #2.

Section 2 of this report presents a description of the numbers of teachers and principals who comprised the original population and the responding samples.

Bowling Green State University

College of Education
Office of Research and Services
Suite 330 Education Building
Bowling Green, Ohio 43403
(419) 372-0151
Ext 274

Winter, 1981

TO: Recent Graduates
College of Education
BGSU

Dear Teacher Graduate:

We in the College of Education are many times asking ourselves, "Just how well have we prepared our graduates for teaching?" "How valuable are some of the required courses?" "Are we emphasizing needed competencies?" Etc. The purpose of this correspondence is respectfully to ask that you help us arrive at answers to these questions.

Please take a few minutes to give us your honest reactions to the questions posed on the accompanying questionnaire. This questionnaire is being sent to recent BGSU graduates (1976-1980) who are teaching in the State of Ohio. After analyzing your responses and summarizing your comments, we will be in a better position than at the present time to make plans for improving our teacher education programs.

In more detail, there are three primary reasons why the College of Education conducts follow-up evaluative endeavors approximately every third year:

1. We desire to know what graduates think of the courses, projects and experiences in which we more or less forced them to enroll.
2. The responses, as a total group and by each major, should suggest specific and worthwhile changes and revisions in our curriculums.
3. The Ohio State Department of Education and various regional and national accrediting agencies demand that evaluative follow-up studies of past teacher education graduates be completed at periodic intervals and the results utilized to promote better and stronger programs.

Please be assured that your responses will remain anonymous. Only summary tabulations by years of experience, teaching areas, or other groupings will be presented to our faculty and to the accrediting agencies. When your responses have been coded onto computer cards, this questionnaire will be destroyed. Under no circumstances will your responses be known to any of our faculty or used to your betterment or detriment.

We are very appreciative of your cooperation in completing this form.

Please return the completed form via the enclosed pre-addressed, postage-paid envelope within 10 days to two weeks of its receipt.
Thank You.

Sincerely yours,

Fred L. Pigge

Fred L. Pigge, Director
Educational Research & Services

___ ___ ___ ___ ___
(1) (2) (3) (4) (5)

AN APPRAISAL OF MY PREPARATION AS A TEACHER AT BOWLING GREEN STATE UNIVERSITY

There are several sections to this questionnaire. Section A asks for personal data, such as name, major, where you are teaching, etc. The other sections consist of questions which permit you to "evaluate" your experiences at BGSU.

SECTION A: Placement and Experience Data

1. Name ______________________ Social Security Number __________ (6-14)

2. Undergraduate Major(s) ______________ (15-17) Minor(s) ______________ (18-20)

3. Grades or Subjects Taught During Student Teaching ______________________ (21-23)

4. Grades or Subjects Taught This Year ______________________ (24-26)

5. Employing School District ______________________
name
____
address
____

6. In your opinion, how would your school building be classified?

______ (1) Urban ______ (2) Rural ______ (3) Suburban (27)

7. In your opinion, are you teaching in a system that is similar in characteristics to the one where you attended high school?

______ (1) Yes ______ (2) No (28)

8. Including the present year, how many years have you taught? ______ Yrs. (29)

9. When did you graduate from BGSU? 19______ (30-31)

10. What is your current status regarding a Masters degree?

______ (1) Have not taken any courses. ______ (4) About ½ done.
______ (2) Have taken 1 or 2 courses. ______ (5) About ¾ done.
______ (3) About ¼ done. ______ (6) Have a Masters degree. (32)

11. (Optional) What, to the best of your memory, was your final overall undergraduate grade-point average at BGSU?
______ (1) 2.0 - 2.3 ______ (4) 3.2 - 3.5
______ (2) 2.4 - 2.7 ______ (5) 3.6 - 3.9
______ (3) 2.8 - 3.1 ______ (6) 4.0 (33)

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SECTION B: Your Perceived *Need For* and *Proficiency In* Selected Competencies.

Presented below are descriptions of 19 competency areas. To the right, please indicate your felt need for possessing each competency and an estimate of your classroom proficiency.

		Your Felt Need for this Competency						An Estimate of Your Classroom Proficiency In This Area					
		High		**Average**		**Low**		**High**		**Average**		**Low**	
		[5]	[4]	[3]	[2]	[1]		[5]	[4]	[3]	[2]	[1]	
	Your Ability to:												
1	Teach reading in your grade or subject area	☐	☐	☐	☐	☐	(34)	☐	☐	☐	☐	☐	(35)
2	Deal with pupil behavior problems	☐	☐	☐	☐	☐	(36)	☐	☐	☐	☐	☐	(37)
3	Select, prepare, and effectively utilize educational media.	☐	☐	☐	☐	☐	(38)	☐	☐	☐	☐	☐	(39)
4	Analyze and evaluate your teaching performance skills	☐	☐	☐	☐	☐	(40)	☐	☐	☐	☐	☐	(41)
5	Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils	☐	☐	☐	☐	☐	(42)	☐	☐	☐	☐	☐	(43)
6	Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.)	☐	☐	☐	☐	☐	(44)	☐	☐	☐	☐	☐	(45)
7	(After diagnosis) . . make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes	☐	☐	☐	☐	☐	(46)	☐	☐	☐	☐	☐	(47)
8	Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc	☐	☐	☐	☐	☐	(48)	☐	☐	☐	☐	☐	(49)
9	Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc	☐	☐	☐	☐	☐	(50)	☐	☐	☐	☐	☐	(51)
10	Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and invidual work, etc.	☐	☐	☐	☐	☐	(52)	☐	☐	☐	☐	☐	(53)
11	Prepare and develop lesson plans and teaching units	☐	☐	☐	☐	☐	(54)	☐	☐	☐	☐	☐	(55)
12	Prepare teacher made tests and evaluate/report pupil progress	☐	☐	☐	☐	☐	(56)	☐	☐	☐	☐	☐	(57)
13	Understand and utilize standardized tests	☐	☐	☐	☐	☐	(58)	☐	☐	☐	☐	☐	(59)
14	Communicate effectively with parents regarding student progress	☐	☐	☐	☐	☐	(60)	☐	☐	☐	☐	☐	(61)
15	Compare, contrast and utilize various educational philosophical viewpoints.	☐	☐	☐	☐	☐	(62)	☐	☐	☐	☐	☐	(63)
16	Encourage and facilitate the development of children's social skills and enhanced self-concepts	☐	☐	☐	☐	☐	(64)	☐	☐	☐	☐	☐	(65)
17	Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	☐	☐	☐	☐	☐	(66)	☐	☐	☐	☐	☐	(67)
18	Adequately challenge your gifted/talented students	☐	☐	☐	☐	☐	(68)	☐	☐	☐	☐	☐	(69)
19	Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom	☐	☐	☐	☐	☐	(70)	☐	☐	☐	☐	☐	(71)

SECTION C: Where Were The Proficiencies Developed?

In Section B, you noted your needs and proficiencies for 19 competency areas. We now desire you to denote which of the presented areas contributed to your perceived proficiency for each of the competencies. Merely place an "X" in the box which indicates the one area that gave you the concerned proficiency. If more than one area contributed, put "1" in the box which would denote the area that contributed **most**; "2" in the box which denotes second highest, etc.

	AREAS							
Your Ability to:	Student Teaching	Pre-Student Teaching Field Experience	Other Course Work and Experiences at BGSU	First Year Teaching Experience	Teaching Experience After First Year	Inservice Training	Other Teachers	Supervisors and/or Administrators
1. Teach reading in your grade or subject area. (2 _ _ _ _)	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)	[ ] (78)	[ ] (79)
2. Deal with pupil behavior problems.	[ ] (6)	[ ] (7)	[ ] (8)	[ ] (9)	[ ] (10)	[ ] (11)	[ ] (12)	[ ] (13)
3. Select, prepare, and effectively utilize educational media.	[ ] (14)	[ ] (15)	[ ] (16)	[ ] (17)	[ ] (18)	[ ] (19)	[ ] (20)	[ ] (21)
4. Analyze and evaluate your teaching performance skills.	[ ] (22)	[ ] (23)	[ ] (24)	[ ] (25)	[ ] (26)	[ ] (27)	[ ] (28)	[ ] (29)
5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.	[ ] (30)	[ ] (31)	[ ] (32)	[ ] (33)	[ ] (34)	[ ] (35)	[ ] (36)	[ ] (37)
6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).	[ ] (38)	[ ] (39)	[ ] (40)	[ ] (41)	[ ] (42)	[ ] (43)	[ ] (44)	[ ] (45)
7. (After diagnosis) . . . make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.	[ ] (46)	[ ] (47)	[ ] (48)	[ ] (49)	[ ] (50)	[ ] (51)	[ ] (52)	[ ] (53)
8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.	[ ] (54)	[ ] (55)	[ ] (56)	[ ] (57)	[ ] (58)	[ ] (59)	[ ] (60)	[ ] (61)
9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.	[ ] (62)	[ ] (63)	[ ] (64)	[ ] (65)	[ ] (66)	[ ] (67)	[ ] (68)	[ ] (69)
10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc. (3 _ _ _ _)	[ ] (70)	[ ] (71)	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)
11. Prepare and develop lesson plans and teaching units.	[ ] (6)	[ ] (7)	[ ] (8)	[ ] (9)	[ ] (10)	[ ] (11)	[ ] (12)	[ ] (13)
12. Prepare teacher made tests and evaluate/report pupil progress.	[ ] (14)	[ ] (15)	[ ] (16)	[ ] (17)	[ ] (18)	[ ] (19)	[ ] (20)	[ ] (21)
13. Understand and utilize standardized tests.	[ ] (22)	[ ] (23)	[ ] (24)	[ ] (25)	[ ] (26)	[ ] (27)	[ ] (28)	[ ] (29)
14. Communicate effectively with parents regarding student progress.	[ ] (30)	[ ] (31)	[ ] (32)	[ ] (33)	[ ] (34)	[ ] (35)	[ ] (36)	[ ] (37)
15. Compare, contrast and utilize various educational philosophical viewpoints.	[ ] (38)	[ ] (39)	[ ] (40)	[ ] (41)	[ ] (42)	[ ] (43)	[ ] (44)	[ ] (45)
16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.	[ ] (46)	[ ] (47)	[ ] (48)	[ ] (49)	[ ] (50)	[ ] (51)	[ ] (52)	[ ] (53)
17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.	[ ] (54)	[ ] (55)	[ ] (56)	[ ] (57)	[ ] (58)	[ ] (59)	[ ] (60)	[ ] (61)
18. Adequately challenge your gifted/talented students.	[ ] (62)	[ ] (63)	[ ] (64)	[ ] (65)	[ ] (66)	[ ] (67)	[ ] (68)	[ ] (69)
19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.	[ ] (70)	[ ] (71)	[ ] (72)	[ ] (73)	[ ] (74)	[ ] (75)	[ ] (76)	[ ] (77)

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SECTION D: Please check the one answer you consider most appropriate. (4 _ _ _ _)

1. The **number** of courses or credits required for my major (e.g. English courses for English majors, Math courses for Math majors, etc.) was:

_______ (1) too large or too many
(6) _______ (2) too small or too few
_______ (3) about right

2. The content of my major was:

_______ (1) well adapted to the needs of teachers
(7) _______ (2) only moderately relevant to the needs of teachers
_______ (3) largely irrelevant to the needs of teachers

3. The content of my major was:

_______ (1) too broad and general for the needs of teachers
(8) _______ (2) too narrow and specialized for the needs of teachers
_______ (3) well balanced to provide both breadth and depth

4. Courses in my major were taught in a way that:

_______ (1) related the content to the needs of teachers in **most** instances
(9) _______ (2) related the content to the needs of teachers in **some** instances
_______ (3) had no observable relationship to the needs of teachers

5. The number of credits or courses required in the professional component (commonly called "the education courses") of the program was:

_______ (1) too large or too many
(10) _______ (2) too small or too few
_______ (3) about right

6. The content and experiences making up the professional component:

_______ (1) were generally well suited to preparation of a teacher
(11) _______ (2) were somewhat suited to preparation of a teacher
_______ (3) made little real contribution to preparation of a teacher

7. The general group requirements (Group 1 — Composition, Literature, Speech; Group 2 — Science and Math; Group 3 -- Social Science; and Group 4 — Fine and Applied Arts)

_______ (1) provided for acquisition of a breadth of knowledge needed by "educated" people
(12) _______ (2) was somewhat valuable
_______ (3) was generally a waste of time

8. The general group requirements

_______ (1) provided a good background for teachers
(13) _______ (2) was somewhat significant for prospective teachers
_______ (3) was generally of little significance for prospective teachers

9. Bowling Green State University gave me very early in my studies an adequate orientation to teacher education, e.g., career options, employment potential, working conditions/expectations, salaries, etc.

	5 Strongly Agree	4 Agree	3 No Opinion	2 Disagree	1 Strongly Disagree
(14)	☐	☐	☐	☐	☐

10. Please provide a rating of the value of each of the following seven areas in your preparation to become a teacher.

	5 **Highly Positive**	4 **Positive**	3 **Average or So-So**	2 **Negative**	1 **Highly Negative**	0 **Not Required in My Program**	
1. Educational Psychology (Educ. 302)	☐	☐	☐	☐	☐	☐	(15)
2. Methods course (or methods sequence if elementary or special education major)	☐	☐	☐	☐	☐	☐	(16)
3. Tests and Measurements (Most recent title: Assessment and Evaluation in Education) (Educ. 402)	☐	☐	☐	☐	☐	☐	(17)
4. Philosophy of Education (Most recent title: Education in a Pluralistic Society) (Educ. 408)	☐	☐	☐	☐	☐	☐	(18)
5. American School System (Most recent title: Organization and Administration of Education in American Society) (Educ. 409)	☐	☐	☐	☐	☐	☐	(19)
6. Student Teaching	☐	☐	☐	☐	☐	☐	(20)
7. Student Teaching Seminars	☐	☐	☐	☐	☐	☐	(21)

SECTION E: Off-Campus Field Experiences

Without a doubt you had several experiences in public elementary and secondary schools while a student at Bowling Green State University. The following questions relate to these off-campus experiences.

1. How do you feel about the adequacy of the **University** supervision when you were doing:

	5 **Excellent**	4 **Good**	3 **Average**	2 **Bel. Average**	1 **Poor**	
A. Student Teaching	☐	☐	☐	☐	☐	(22)
B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?	☐	☐	☐	☐	☐	(23)

2. The above question dealt with university supervision. In the same frame of reference, how do you feel about the adequacy of the supervision given you by the classroom teacher(s) during:

A. Student Teaching	☐	☐	☐	☐	☐	(24)
B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?	☐	☐	☐	☐	☐	(25)

3. How do you feel about the value of the field experiences, other than student teaching, such as Merge, MEP, Interaction, Alternatives in Education, Help-A-Child, Milton, Crim's PER, IET's 288 Field Experience, etc. in preparing you to be a teacher?

A. I can't respond because I was not involved in any of these special experiences. ☐

B. I consider these experiences to have been:

5 Highly Valuable	4 Valuable	3 Average or So-So	2 Of Little Value	1 Of No Value	
☐	☐	☐	☐	☐	(26)

C. Approximately how many academic quarters were you involved in one or more of these experiences? (Do not count the student teaching quarter)

________ quarters (27)

SECTION F: Academic and Career Advising at BGSU

	5 **Highly Positive**	4 **Positive**	3 **Average or So-So**	2 **Negative**	1 **Highly Negative**	
1. How do you feel about the quality of advising from your major area, such as the English, Math, Elementary Education areas?	☐	☐	☐	☐	☐	(28)
2. Advice and guidance from the Program Advisement Center located on the 3rd floor of the Education Building?	☐	☐	☐	☐	☐	(29)
3. Advice from individual professors you might have sought out?	☐	☐	☐	☐	☐	(30)
4. How do you feel in a general sense about the quality of overall **academic** advising services that were available to you throughout your years at the University?	☐	☐	☐	☐	☐	(31)
5. How do you feel in a general sense about the quality of overall **career** advising services that were available to you?	☐	☐	☐	☐	☐	(32)
6. Please rate the services of the Career and Placement Center in helping you find a teaching position:	☐	☐	☐	☐	☐	(33)

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SECTION G: Instructional Materials at BGSU

1. Please rate the materials and services of the **Instructional Media Center** (located in the Education Building).

☐ I did not use the center, therefore I cannot rate their service. (34)

	5 Highly Positive	4 Positive	3 Average or So-So	2 Negative	1 Highly Negative	
A. Hours of accessibility	☐	☐	☐	☐	☐	(35)
B. Workshop facilities where you could prepare new instructional materials or copy existing materials	☐	☐	☐	☐	☐	(36)
C. Availability of materials	☐	☐	☐	☐	☐	(37)
D. Usage regulations	☐	☐	☐	☐	☐	(38)
E. Helpfulness of staff	☐	☐	☐	☐	☐	(39)
F. Relation to coursework	☐	☐	☐	☐	☐	(40)

2. Please rate the materials and services of the **Curriculum Library** (located in the Library).

☐ I did not use the Curriculum Library, therefore I cannot rate their services (41)

A. Hours of accessibility	☐	☐	☐	☐	☐	(42)
B. Workshop facilities where you could prepare new instructional materials or copy existing materials	☐	☐	☐	☐	☐	(43)
C. Various media, such as maps, globes, charts, pictures, films, video/audio tapes, recordings, etc	☐	☐	☐	☐	☐	(44)
D. Examples of courses of study and teaching units	☐	☐	☐	☐	☐	(45)
E. Examples of books commonly used in the elementary and secondary schools	☐	☐	☐	☐	☐	(46)
F. Availability of materials	☐	☐	☐	☐	☐	(47)
G. Usage regulations	☐	☐	☐	☐	☐	(48)
H. Helpfulness of staff	☐	☐	☐	☐	☐	(49)
I. Relation to course work	☐	☐	☐	☐	☐	(50)

3. Please rate the materials and services of the **Clinical Lab** (located on the second floor of the Education Building and established during the 1978-79 academic year).

☐ I did not use the Clinical Lab (51)

A. Hours of accessibility	☐	☐	☐	☐	☐	(52)
B. Various media and materials	☐	☐	☐	☐	☐	(53)
C. Helpfulness of staff	☐	☐	☐	☐	☐	(54)
D. Availability of materials	☐	☐	☐	☐	☐	(55)
E. Relation to course work	☐	☐	☐	☐	☐	(56)

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SECTION H: Your General Reactions

	5 Strongly Agree	4 Agree	3 No Comment	2 Disagree	1 Strongly Disagree	
A. Your Attitudes						
1. I love to teach.	☐	☐	☐	☐	☐	(57)
2. If I could plan my career again, I would choose teaching.	☐	☐	☐	☐	☐	(58)
3. I feel successful and competent in my present position.	☐	☐	☐	☐	☐	(59)
4. I really enjoy working with my students	☐	☐	☐	☐	☐	(60)
5. If I could earn as much money in another occupation, I would still continue to teach.	☐	☐	☐	☐	☐	(61)
B. Summary						
1. I was adequately prepared by BGSU as an entry level teacher.	☐	☐	☐	☐	☐	(62)

2. How can we better prepare teachers in your area of specialization? (If possible, give specific suggestions.)

3. We plan to select at random some principals of our 1976-80 graduates and ask them to respond to questions related to the teacher education program at BGSU and to the success of its graduates. If you have any objections to our contacting your principal about our program and the comparative success of its graduates, please so state below:

Overall Evaluation

The one item which permitted our graduates to give their teacher-education programs an overall-general evaluation was presented on page 8 of the instrument (Item HB1) and was worded:

"I was adequately prepared by BGSU as an entry level teacher."

Our teaching graduates were asked to respond in a strongly agree to strongly disagree format. In more detail, the responses were:

Weight		Description
1	---	Strongly Disagree
2	---	Disagree
3	---	No Comment
4	---	Agree
5	---	Strongly Agree

The data presented below presents a summary of the teachers' responses, broken down by years of teaching experience.

A mean above 3.00 indicates more people responded affirmatively than negatively. It may be observed that teachers at each year had means above 3.00; in fact, the five yearly means ranged between a low of 3.73 (second year) to 3.97 (first year).

1. I was adequately prepared by BGSU as an entry level teacher.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
136	3.97	124	3.73	149	3.82	165	3.79	108	3.86	682	3.83

A table of data summarizing the teachers' responses via teaching majors to this item was presented in Booklet 1. This data showed that of the total group of 685 teachers who responded, 80% thought they were adequately prepared as entry level teachers by BGSU, 7% really didn't know, and 14% thought their preparation was somewhat lacking.

12.

A somewhat similar item was asked of the teachers' principals. The item and the principals' responses (presented in Booklet 2) are reproduced below:

> Considering total effectiveness in guiding pupil growth, I believe this teacher, when compared to other teachers with similar experience, is:
> ____5. Excellent, very adequate, way above average, etc.
> ____4. Above average, good, etc.
> ____3. Average, adequate, etc.
> ____2. Somewhat below average, etc.
> ____1. Poor, inadequate, way below average, etc.

Years of Teaching Experience	N	1		2		3		4		5		Mean
		f	%	f	%	f	%	f	%	f	%	
1	137	0	0	3	2	21	15	51	37	62	45	4.26
2	186	0	0	8	4	27	15	80	43	71	38	4.15
3	249	2	1	8	3	40	16	109	44	90	36	4.11
4	170	4	2	6	4	28	17	57	34	75	44	4.14
5	98	1	1	1	1	10	10	34	35	52	53	4.38
Totals	840	7	1	26	3	126	15	331	39	350	42	4.18

There appeared to be some going togetherness of the two sets of means — perceptions regarding the quality of the programs (by years of experience) and the quality of the teachers' performance (by years of experience).

In fact, the rank order correlation coefficient, as computed below, was +.50.

Year(s)	Quality of Program		Quality of Teaching Performance	
	Means	Ranks	Means	Ranks
1	3.97	1	4.26	2
2	3.73	5	4.15	3
3	3.82	3	4.11	5
4	3.79	4	4.14	4
5	3.86	2	4.38	1

$$\text{Rho} = 1 - \frac{6\Sigma D^2}{N(N^2-1)}$$

$$= 1 - \frac{6(10)}{5(24)} = 1 - \frac{60}{120} = 1 - .50 = .50$$

Section 2

A Description of the Population and Samples

Introduction

A request was made of the Computer Services Division of the Ohio State Department of Education on November 11, 1980 to provide Bowling Green State University with address labels of its 1975-79 graduates (and their principals) who were full-time teachers in the State of Ohio during the 1979-80 school year.

The Computer Services Division, keying on furnished social security numbers of our past graduates, provided us with multiple sets of address labels for approximately 1700 teachers and their principals. College of Education data was used in contacting the first-year teachers (1979-80 graduates). This latter group consisted of approximately 350 persons who were teaching in Ohio.

Data presented in Table 1 indicate that the total population of BGSU graduates for this study was 2055. Due to the circumstances of having to use "last year's addresses" for "this year's teachers" and based upon the quantity of unopened "wrong address" envelopes returned to us, it was assumed that 90% of the names/addresses were valid. One-hundred percent sampling was used for all majors except elementary and special education. A 50% sampling was used with these two majors. The total number of possible teacher (and principal) respondents was 1386, as data in Table 1 imply.

The Respondents

Table 1 presents a breakdown by majors of the population and sample returns. For illustration, data in Table 1 show that 29 of the 63 art majors returned their responses -- a 46% return rate for this major. Thirty-nine

Table 1
Populations and Samples for the
Basic Graduates and Their Principal

Major	Number of Graduates Identified as Teaching in Ohio During 1979-80	Valid Population (Less 10%)**	Sample Returns Teachers		Sample Returns Principals	
			N	%	N	%
Art	70	63	29	46	39	62
Business	63	57	35	61	43	75
Distributive Educ	21	19	9	47	15	79
Elementary Educ	450 (225)*	203	130	64	163	80
English	76	68	24	35	40	59
Foreign Language	31	28	15	54	15	54
HPER	147	132	59	45	83	63
Home Economics	93	84	44	52	48	57
Industrial Educ	53	48	19	40	25	52
LEM	28	25	15	60	14	56
Math, Computer Sci	55	50	27	54	33	66
Music	131	118	46	39	74	63
Psychology	7	6	4	67	5	83
Science	59	53	20	38	36	68
Social Science	73	66	30	45	38	58
Special Educ	582 (291)*	262	140	53	176	67
Speech	27	24	11	46	12	50
Speech & Hearing	89	80	37	46	44	55
Total	2055(1539)*	1386	694	50	903	65

* A fifty percent sample for elementary education and special education was used. Thus, 225 elementary and 291 special education majors composed the original sample. The original non-corrected population consisted of 1539 teachers.

** The 1979-80 Ohio Department of Education's Principals' Reports (October, 1979) were used for the involved 1975-79 teachers. Interpreting number of unopened envelopes returned etc, a 90% validity figure was assumed. (College of Education records were used for 1979-80 first-year teachers.)

of the 63 principals returned their evaluations, a return rate of 62%.

Six hundred ninety-four (694) teacher responses were received from what was thought to be a valid population of 1386. This amounted to a teacher return rate of 50%. For the principals, 903 or 65% returned "evaluations" of the teachers' performances.

Table 2 breaks the sample down by years of experience and other data. For example, data in Table 2 reveal the following:

> One hundred fifty-three (153) respondents had 3 years of teaching experience; the 153 comprised 22% of the total sample of 694. There were 1006 graduates who qualified for teaching certificates during the 1977-78 academic year. Each graduate was asked, approximately 3 months after graduation to reveal whether he/she had a full-time teaching position. Eight hundred thirty-nine (839) or 83% of the class responded to the survey; 493 or 59% had obtained full-time teaching positions. The 153 respondents was 34% of the number of full-time teachers (493).

In summary, the 694 respondents were probably about a 30% sample of all the graduates who become full time teachers.

Table 2
Additional Data Describing the Sample

Year of Graduation	Years of Teaching Experience	Responses		Total Number of Graduates	# and % of Graduates Who Completed Follow-up Instruments 3 mos After Graduation		# and % of Full Time Teachers Based on Follow-up Data		Present Study Responses as % of Full-time Teachers
		N	% of Total Sample		N	%	N	%	%
1979-80	1	138	20	821	684	83	367	54	34
1978-79	2	125	18	881	707	80	436	62	35
1977-78	3	153	22	1006	839	83	493	59	34
1976-77	4	167	24	1113	1000	90	490	49	23
1975-76	5	111	16	1271	1206	95	609	50	18
Total		694	100	5092	4436	87	2395	54	29

Section 3

Presentation of the Findings

Somewhat lengthy narratives accompanied the findings presented in the first two reports. The first two reports were very central to the purposes of following up our graduates; the findings of the present report are of a secondary nature.

For this reason, the present data/numerical findings are presented without discourse. The interested reader/researcher should feel free to compare/contrast the various sets of findings.

If someone should desire breakdowns other than these presented, he/she should contact the Office of Educational Research and Services prior to April 1, 1983.

The findings are presented by order of data collection items on the evaluation instrument.

18.

Section B

Perceived Need for and Proficiencies In Selected Competencies

Item: Your Ability to:

1. Teach reading in your grade or subject area.

Need.	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	1.67	8	1.50	5	2.20	7	2.14	1	1.00
2. Business	10	2.60	6	2.33	7	2.71	5	2.20	6	2.33
3. Distributive Ed			1	5.00	3	4.33	1	5.00	4	2.75
4. Elementary Education	23	4.48	18	4.56	31	4.71	33	4.52	22	4.50
5. English	2	4.00	5	3.60	6	4.00	6	4.00	5	4.20
6. Foreign Language	4	2.25	2	4.00	2	2.50	3	2.33	3	2.00
7. HPER	6	2.00	7	2.29	15	3.07	18	2.50	5	2.60
8. Home Economics	5	4.00	5	2.40	11	3.36	14	3.36	8	3.25
9. Industrial Education	2	4.50	4	3.00	7	2.86	1	3.00	5	2.60
10. LEM	1	4.00	2	3.50	5	2.20	4	4.50	2	4.00
11. Math, Comp Science	3	3.00	5	3.20	6	2.50	5	1.80	7	2.71
12. Music	9	2.56	8	1.25	11	2.55	13	2.62	1	1.00
13. Psychology			1	3.00	1	1.00	2	1.50		
14. Science	5	3.00	3	2.33	1	5.00	7	3.00	3	3.67
15. Social Science	1	3.00	10	3.00	7	3.14	8	3.38	4	3.25
16. Special Educ	50	4.56	20	4.75	17	4.65	25	4.84	24	4.67
17. Speech	3	3.33	5	4.60	2	3.50	1	5.00		
18. Speech & Hearing	5	2.00	5	2.20	4	2.75	6	2.17	5	2.20
TOTAL	132	3.74	115	3.40	141	4.11	159	3.52	105	3.61

Item: Your Ability to:

1. Teach reading in your grade or subject area.

Proficiency	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	1.67	8	2.13	5	2.40	6	2.33	1	3.00
2. Business	10	2.50	6	2.67	7	2.14	5	1.60	6	2.67
3. Distributive Ed			1	4.00	3	3.00	1	2.00	4	3.50
4. Elementary Education	23	3.30	19	3.63	31	3.77	33	4.06	21	3.86
5. English	2	4.00	5	3.80	6	3.50	5	3.20	5	3.40
6. Foreign Language	4	3.00	2	4.00	2	4.50	3	2.67	3	4.33
7. HPER	5	2.60	6	2.83	15	2.27	17	2.47	5	3.40
8. Home Economics	5	3.20	5	2.80	11	2.82	13	3.88	8	3.00
9. Industrial Education	2	3.00	4	2.50	7	2.86	1	2.00	5	2.80
10. LEM	1	2.00	2	3.00	5	2.80	4	3.00	2	3.00
11. Math, Comp Science	3	3.33	5	2.80	6	2.83	5	2.60	7	2.86
12. Music	8	3.38	8	2.63	10	2.40	12	2.75		
13. Psychology			1	2.00	1	1.00	2	3.00		
14. Science	5	2.40	3	1.67	1	4.00	8	2.50	3	3.00
15. Social Science	1	3.00	10	3.00	7	2.57	8	2.63	4	2.75
16. Special Educ	51	3.45	20	3.50	17	3.53	25	4.12	24	3.88
17. Speech	3	3.33	5	2.80	2	3.00	1	3.00		
18. Speech & Hearing	5	2.00	5	2.20	4	2.25	6	1.67	5	2.00
TOTAL	131	3.14	115	3.06	140	3.04	155	3.17	103	3.38

Item: Your Ability to:

2. Deal with pupil behavior problems.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	9	4.67	8	4.50	7	4.57	2	4.00
2. Business	10	4.50	6	3.83	8	4.25	5	4.80	6	4.67
3. Distributive Ed			1	5.00	3	5.00	1	5.00	4	3.25
4. Elementary Education	23	4.22	19	4.68	31	4.48	34	4.50	22	4.50
5. English	2	4.50	5	4.60	6	4.33	6	4.33	5	4.60
6. Foreign Language	4	4.00	3	3.33	2	4.50	3	4.67	3	3.67
7. HPER	7	4.71	8	4.25	16	3.81	21	4.00	6	4.83
8. Home Economics	5	5.00	5	4.20	12	4.58	14	4.71	8	4.50
9. Industrial Education	2	3.50	4	4.25	7	4.43	1	5.00	5	5.00
10. LEM	1	5.00	2	4.50	6	4.83	4	4.75	2	4.00
11. Math, Comp Science	3	4.00	5	4.40	6	4.17	6	4.33	7	5.00
12. Music	10	4.80	12	4.33	12	4.83	13	4.54	1	5.00
13. Psychology			1	3.00	1	5.00	2	4.50		
14. Science	5	4.60	3	4.33	1	5.00	7	4.14	3	4.33
15. Social Science	1	2.00	10	3.60	7	4.29	8	4.50	4	3.50
16. Special Educ	51	4.86	20	4.65	17	4.82	25	4.68	24	4.92
17. Speech	3	3.67	5	4.60	2	5.00	1	5.00		
18. Speech & Hearing	7	4.00	7	3.71	7	4.14	8	3.63	7	4.43
TOTAL	137	4.55	125	4.33	152	4.47	166	4.41	109	4.55

Item: Your Ability to:

2. Deal with pupil behavior problems.

PROFICIENCY	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.33	9	4.22	7	3.29	7	3.86	2	4.00
2. Business	10	3.70	6	3.33	8	3.25	5	3.20	6	4.33
3. Distributive Ed			1	4.00	3	4.00	1	4.00	4	4.50
4. Elementary Education	23	3.39	19	3.79	31	3.61	34	3.94	23	4.22
5. English	2	3.50	5	2.80	6	3.67	5	3.60	5	3.40
6. Foreign Language	4	3.50	3	3.67	2	4.00	3	3.67	3	4.00
7. HPER	7	4.00	8	4.13	16	3.88	21	3.86	6	4.33
8. Home Economics	5	3.00	5	3.60	12	3.67	13	3.85	8	3.88
9. Industrial Education	2	4.00	4	3.75	7	4.57	1	4.00	5	4.40
10. LEM	1	3.00	2	3.50	6	3.50	4	4.00	2	3.00
11. Math, Comp Science	3	3.00	5	3.80	6	3.67	6	4.50	7	4.14
12. Music	10	3.70	12	3.33	12	3.92	13	3.62	1	5.00
13. Psychology			1	3.00	1	4.00	2	3.00		
14. Science	5	3.60	3	2.67	1	4.00	8	3.63	3	4.33
15. Social Science	1	3.00	10	4.10	7	4.29	8	4.00	4	4.00
16. Special Educ	52	4.04	20	3.90	17	4.12	25	4.16	24	4.21
17. Speech	3	2.33	5	4.00	2	2.50	1	5.00		
18. Speech & Hearing	7	4.00	7	3.43	8	3.13	8	4.00	7	4.00
TOTAL	138	3.73	125	3.72	152	3.74	165	3.90	110	4.14

Item: Your Ability to:

3. Select, prepare, and effectively utilize educational media.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.00	9	3.89	8	4.25	7	4.14	2	3.50
2. Business	10	4.00	6	3.50	8	3.88	5	4.40	6	4.00
3. Distributive Ed			1	5.00	3	4.00	1	5.00	4	4.25
4. Elementary Education	23	4.04	19	4.11	31	4.06	34	3.91	22	3.59
5. English	2	4.00	5	3.80	6	4.33	6	4.33	5	4.20
6. Foreign Language	4	5.00	3	4.00	2	4.50	3	4.00	3	3.00
7. HPER	7	3.57	8	3.13	16	3.75	21	3.57	6	3.50
8. Home Economics	5	4.60	5	4.00	12	4.50	14	4.29	8	4.00
9. Industrial Education	2	2.50	4	3.75	7	3.71	1	3.00	5	4.20
10. LEM	1	5.00	2	5.00	6	4.83	4	5.00	2	4.50
11. Math, Comp Science	3	3.67	5	4.20	6	3.50	6	3.17	7	3.43
12. Music	10	4.10	11	3.09	12	3.75	13	3.69	1	3.00
13. Psychology			1	3.00	1	5.00	2	4.50		
14. Science	5	3.80	3	4.00	1	5.00	7	4.29	3	3.33
15. Social Science	1	5.00	10	3.00	7	4.29	8	3.50	4	3.25
16. Special Educ	50	4.32	20	4.15	17	4.06	25	4.00	24	4.04
17. Speech	3	4.33	5	4.60	2	3.50	1	4.00		
18. Speech & Hearing	7	4.29	7	3.14	7	4.71	8	3.75	7	4.14
TOTAL	136	4.16	124	3.81	152	4.09	166	3.93	109	3.82

Item: Your Ability to:

3. Select, prepare, and effectively utilize educational media.

PROFICIENCY	Year 1		Year 2		Year 3		Year 4		Year 5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	3.33	8	3.00	8	3.25	7	2.86	2	3.00
2. Business	10	3.50	6	3.17	8	3.63	5	3.80	6	4.17
3. Distributive Ed			1	4.00	3	3.33	1	4.00	4	4.25
4. Elementary Education	23	3.48	19	3.84	31	3.61	34	3.74	23	3.65
5. English	2	4.00	5	3.20	6	3.67	5	4.80	5	4.20
6. Foreign Language	4	4.00	3	2.67	2	4.00	3	3.33	3	3.67
7. HPER	7	3.86	8	3.13	16	3.50	21	3.43	6	3.50
8. Home Economics	5	3.80	5	4.00	12	4.08	13	4.08	8	3.88
9. Industrial Education	2	3.50	4	3.25	7	3.71	1	2.00	5	4.20
10. LEM	1	5.00	2	5.00	6	4.50	4	5.00	2	4.00
11. Math, Comp Science	3	2.67	5	3.80	6	2.50	6	2.67	7	3.14
12. Music	10	3.50	11	3.45	12	3.33	13	3.62	1	3.00
13. Psychology			1	4.00	1	4.00	2	2.50		
14. Science	5	3.60	3	3.33	1	4.00	8	3.63	3	4.00
15. Social Science	1	5.00	10	3.50	7	3.71	8	3.63	4	3.50
16. Special Educ	51	3.78	20	3.55	17	3.76	25	3.72	24	3.75
17. Speech	3	3.00	5	3.60	2	3.50	1	4.00		
18. Speech & Hearing	7	3.86	7	3.43	8	3.38	8	3.50	7	3.29
TOTAL	137	3.66	123	3.50	153	3.61	165	3.65	110	3.72

Item: Your Ability to:

4. Analyze and evaluate your teaching performance skills.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.67	9	4.33	8	3.88	7	4.43	2	3.50
2. Business	10	4.40	6	4.33	8	3.75	5	3.40	6	4.67
3. Distributive Ed			1	4.00	3	4.00	1	5.00	4	4.25
4. Elementary Education	23	4.04	19	4.16	30	3.97	34	4.18	22	4.00
5. English	2	4.50	5	3.80	6	3.67	6	4.00	5	4.20
6. Foreign Language	4	4.50	3	3.00	2	4.50	3	3.67	3	3.00
7. HPER	7	4.71	8	3.50	16	3.81	21	4.00	6	4.00
8. Home Economics	5	4.00	5	3.80	12	4.17	14	4.21	8	3.75
9. Industrial Education	2	2.50	4	3.50	7	3.57	1	5.00	5	3.80
10. LEM	1	3.00	2	4.00	6	3.83	4	4.50	2	3.00
11. Math, Comp Science	3	4.67	5	3.80	6	4.00	6	4.50	7	4.00
12. Music	10	4.60	12	4.25	12	4.67	13	4.23	1	5.00
13. Psychology			1	3.00	1	4.00	2	4.00		
14. Science	5	4.00	3	3.67	1	4.00	7	3.57	3	3.33
15. Social Science	1	4.00	10	3.30	7	4.29	8	3.88	4	3.50
16. Special Educ	51	4.24	19	4.32	17	4.24	25	4.32	24	3.88
17. Speech	3	4.00	5	4.00	2	4.00	1	3.00		
18. Speech & Hearing	7	4.57	7	4.29	7	4.43	8	4.75	6	4.50
TOTAL	137	4.26	124	3.98	151	4.05	166	4.16	108	3.94

Item: Your Ability to:

4. Analyze and evaluate your teaching performance skills.

PROFICIENCY	Year 1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.33	8	3.50	8	3.63	7	3.86	2	3.00
2. Business	10	3.70	6	3.67	8	3.13	5	3.20	6	4.33
3. Distributive Ed			1	4.00	3	3.67	1	4.00	4	4.25
4. Elementary Education	22	3.77	19	3.32	30	3.57	34	3.71	23	3.83
5. English	2	4.00	5	3.20	6	4.17	5	3.80	5	3.80
6. Foreign Language	4	4.50	3	3.33	2	4.00	4	3.00	3	3.67
7. HPER	7	4.14	8	2.88	16	3.94	21	3.43	6	3.33
8. Home Economics	5	3.20	5	3.40	12	3.58	12	3.92	8	3.25
9. Industrial Education	2	3.50	4	3.50	7	3.43	1	5.00	5	3.80
10. LEM	1	4.00	2	4.00	6	3.17	4	4.00	2	2.00
11. Math, Comp Science	3	4.00	5	3.40	6	3.50	6	3.67	7	3.86
12. Music	10	3.60	12	3.58	12	3.75	13	4.08	1	5.00
13. Psychology			1	3.00	1	4.00	2	4.00		
14. Science	5	3.20	3	2.67	1	4.00	8	3.63	3	3.67
15. Social Science	1	4.00	10	3.70	7	3.43	8	3.63	4	3.75
16. Special Educ	52	3.81	19	3.84	17	3.76	25	3.80	24	3.75
17. Speech	3	3.67	5	4.00	2	4.00	1	3.00		
18. Speech & Hearing	7	3.43	7	3.57	8	3.50	8	4.13	6	4.17
TOTAL	137	3.77	123	3.52	152	3.63	164	3.74	109	3.75

Item: Your Ability to:

5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

NEED

Year

		1		2		3		4		5		
		N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	
1. Art		3	5.00	9	4.11	8	3.88	7	4.43	2	4.00	
2. Business		10	4.40	6	4.17	7	4.00	5	3.80	5	4.60	
3. Distributive Ed				1	4.00	3	4.00	1	5.00	4	4.00	
4. Elementary Education		23	4.26	19	4.32	29	4.21	34	4.24	21	4.24	
5. English		2	4.50	5	4.40	6	4.17	6	4.17	5	4.20	
6. Foreign Language		4	5.00	3	3.67	2	4.50	3	4.00	3	3.67	
7. HPER		7	4.71	8	3.75	16	4.13	21	4.05	6	4.17	
8. Home Economics		5	4.20	5	4.00	12	4.33	14	4.43	8	3.75	
9. Industrial Education		2	3.00	3	3.67	7	3.57	1	5.00	5	3.80	
10. LEM		1	4.00	2	4.50	6	4.00	4	4.00	2	3.00	
11. Math, Comp Science		3	4.67	5	3.80	6	4.33	6	4.17	7	4.14	
12. Music		10	4.70	12	4.17	11	4.27	12	4.25	1	4.00	
13. Psychology				1	3.00	1	4.00	2	4.50			
14. Science		5	4.00	3	3.33	1	4.00	7	3.57	3	3.67	
15. Social Science		1	3.00	10	3.50	7	4.57	8	3.75	4	4.00	
16. Special Educ		51	4.53	20	4.30	17	4.35	25	4.56	24	4.17	
17. Speech		3	5.00	5	4.00	2	4.00	1	3.00			
18. Speech & Hearing		7	4.43	7	4.29	7	4.86	8	4.63	7	4.43	
TOTAL		137	4.46	124	4.06	148	4.21	165	4.22	107	4.10	

Item: Your Ability to:

5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

Year

PROFICIENCY	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.33	9	3.89	8	3.63	7	4.00	2	4.00
2. Business	10	3.60	6	3.00	7	3.29	5	3.40	5	4.40
3. Distributive Ed			1	4.00	3	4.00	1	3.00	4	3.75
4. Elementary Education	22	3.77	19	3.58	29	3.52	34	3.71	22	3.86
5. English	2	3.50	5	3.80	6	4.00	5	3.80	5	4.00
6. Foreign Language	4	4.75	3	3.33	2	4.00	3	3.33	3	4.00
7. HPER	7	3.43	8	3.25	16	3.75	21	3.43	6	3.50
8. Home Economics	5	3.20	5	3.60	12	3.58	13	3.85	8	3.63
9. Industrial Education	2	4.00	3	3.67	7	3.43	1	4.00	5	3.80
10. LEM	1	4.00	2	4.00	6	3.33	4	4.00	2	2.50
11. Math, Comp Science	3	4.00	5	3.80	6	3.33	6	3.67	7	3.71
12. Music	10	3.70	12	3.50	11	3.55	12	3.83	1	4.00
13. Psychology			1	4.00	1	4.00	2	3.50		
14. Science	5	3.40	3	3.00	1	3.00	8	3.63	3	3.67
15. Social Science	1	3.00	10	3.80	7	3.43	8	3.00	4	3.75
16. Special Educ	52	3.90	20	3.85	17	3.82	25	3.96	24	3.88
17. Speech	3	4.00	5	3.80	2	4.00	1	3.00		
18. Speech & Hearing	7	3.57	7	3.71	8	3.75	8	4.25	7	3.57
TOTAL	137	3.79	124	3.64	149	3.61	164	3.71	108	3.80

Item: Your Ability to:

6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).

NEED	Year 1		Year 2		Year 3		Year 4		Year 5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.33	8	2.88	7	3.00	7	2.86	2	3.50
2. Business	10	3.50	6	3.50	8	3.13	5	3.00	6	3.33
3. Distributive Ed			1	5.00	3	3.67	1	5.00	4	4.25
4. Elementary Education	23	4.43	19	3.89	31	4.03	34	4.29	22	4.68
5. English	2	4.50	5	4.00	6	4.00	6	3.50	5	3.40
6. Foreign Language	4	4.50	3	2.67	2	3.50	3	2.67	3	4.00
7. HPER	7	4.00	8	3.63	16	3.31	21	3.90	6	3.00
8. Home Economics	4	4.00	5	2.40	12	3.50	14	3.64	8	3.88
9. Industrial Education	2	2.50	4	3.75	7	3.86	1	4.00	5	4.00
10. LEM	1	4.00	2	2.50	4	2.50	4	2.75	2	2.50
11. Math, Comp Science	3	4.00	5	4.20	6	3.83	6	3.83	7	3.71
12. Music	10	3.90	12	2.75	12	3.58	13	3.62	1	4.00
13. Psychology			1	2.00	1	1.00	2	4.00		
14. Science	5	2.80	3	3.00	1	4.00	7	3.57	3	3.00
15. Social Science	1	4.00	10	2.50	7	4.14	8	3.25	4	3.25
16. Special Educ	50	4.62	20	4.45	17	4.65	25	4.80	23	4.70
17. Speech	3	4.33	5	3.60	2	3.50	1	2.00		
18. Speech & Hearing	7	5.00	7	4.43	7	4.86	8	5.00	7	4.86
TOTAL	135	4.24	124	3.51	149	3.81	166	3.94	108	4.02

Item: Your Ability to:

6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).

PROFICIENCY	Year 1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	2.67	8	2.50	7	2.71	7	2.43	2	3.50
2. Business	10	2.70	6	2.50	8	2.63	5	1.40	6	3.33
3. Distributive Ed			1	3.00	3	3.67	1	3.00	4	3.00
4. Elementary Education	22	3.14	19	3.37	30	3.27	34	3.59	23	3.83
5. English	2	3.00	5	2.40	6	3.17	5	3.00	5	2.80
6. Foreign Language	4	4.00	3	3.00	2	3.50	3	2.33	3	3.67
7. HPER	7	3.14	8	3.00	16	3.25	21	3.05	6	2.50
8. Home Economics	4	3.00	5	2.20	12	2.50	13	3.00	8	2.88
9. Industrial Education	2	4.00	4	2.50	7	2.71	1	2.00	5	3.40
10. LEM	1	2.00	2	2.00	4	2.50	3	2.00	2	2.00
11. Math, Comp Science	3	3.33	5	3.00	6	2.33	6	2.67	7	3.14
12. Music	10	3.10	12	2.42	12	2.92	13	3.00	1	4.00
13. Psychology			1	4.00	1	2.00	2	3.00		
14. Science	5	2.80	3	2.00	1	3.00	8	2.88	3	3.00
15. Social Science	1	4.00	10	2.80	7	2.71	8	2.63	4	3.25
16. Special Educ	50	3.92	20	4.05	17	4.29	25	4.44	23	3.87
17. Speech	3	3.00	5	3.00	2	3.00	1	3.00		
18. Speech & Hearing	7	4.43	7	4.00	8	3.50	8	4.50	7	4.14
TOTAL	134	3.47	124	3.04	149	3.15	164	3.25	109	3.47

Item: Your Ability to:

7. (After diagnosis) ...make prescriptions of instructional strategies, educational media, and materials that mor fully maximize pupil learning outcomes.

NEED	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.67	9	2.78	6	2.83	7	3.29	2	3.50
2. Business	10	3.10	6	3.50	8	3.88	5	3.40	5	3.00
3. Distributive Ed			1	5.00	3	3.67	1	5.00	4	4.25
4. Elementary Education	23	4.43	19	4.05	31	4.10	33	4.45	21	4.05
5. English	2	4.00	5	4.00	6	3.83	6	3.83	5	4.00
6. Foreign Language	4	4.50	3	3.00	2	5.00	3	2.67	3	4.00
7. HPER	7	3.71	8	3.63	16	3.13	20	3.35	6	3.00
8. Home Economics	4	4.00	5	3.00	12	3.67	14	4.07	8	4.13
9. Industrial Education	2	2.50	4	3.25	7	3.57	1	4.00	5	3.60
10. LEM	1	3.00	2	5.00	4	2.50	4	2.75	2	3.00
11. Math, Comp Science	3	4.00	5	4.60	6	3.83	6	3.50	7	3.71
12. Music	10	4.00	11	2.64	12	3.58	13	3.69	1	5.00
13. Psychology			1	4.00	1	1.00	2	3.00		
14. Science	5	3.80	3	3.00	1	4.00	7	3.29	3	3.00
15. Social Science	1	3.00	10	2.50	7	3.71	8	3.13	4	3.25
16. Special Educ	51	4.55	20	4.55	17	4.88	25	4.80	24	4.46
17. Speech	3	4.33	5	3.60	2	3.50	1	2.00		
18. Speech & Hearing	7	4.86	7	4.57	7	4.86	8	5.00	7	5.00
TOTAL	136	4.24	124	3.63	148	3.86	166	3.92	107	3.99

Item: Your Ability to:

7. (Atter diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.

PROFICIENCY	Year									
	1		2		3		4		5	
	N	$\overline{X}$	N	$\overline{X}$	N	$\overline{X}$	N	$\overline{X}$	N	$\overline{X}$
1. Art	3	2.67	9	2.56	6	2.67	7	2.57	2	3.00
2. Business	10	2.60	6	2.67	8	3.25	5	2.00	5	3.20
3. Distributive Ed			1	3.00	3	3.33	1	3.00	4	3.50
4. Elementary Education	22	3.09	19	3.21	31	3.10	33	3.55	23	3.65
5. English	2	3.00	5	2.40	6	3.33	5	3.00	5	3.60
6. Foreign Language	4	4.00	3	3.00	2	3.00	3	2.33	3	3.00
7. HPER	7	3.00	8	2.50	16	3.13	20	3.10	6	2.67
8. Home Economics	4	3.50	5	2.00	12	2.67	13	3.00	8	2.88
9. Industrial Education	2	3.50	4	4.00	7	3.14	1	3.00	5	3.20
10. LEM	1	2.00	2	4.50	4	2.25	3	2.00	2	2.00
11. Math, Comp Science	3	3.33	5	3.00	6	2.83	6	3.17	7	3.00
12. Music	10	3.30	11	2.91	12	3.17	13	3.23	1	4.00
13. Psychology			1	4.00	1	1.00	2	2.00		
14. Science	5	3.40	3	1.67	1	4.00	8	2.75	3	3.33
15. Social Science	1	3.00	10	2.90	7	2.86	8	2.25	4	3.25
16. Special Educ	52	3.71	20	3.45	17	4.29	20	4.04	24	4.13
17. Speech	3	3.00	5	3.20	2	2.50	1	3.00		
18. Speech & Hearing	7	4.14	7	3.57	8	3.63	8	4.63	7	3.86
TOTAL	136	3.40	124	3.09	149	3.18	162	3.24	109	3.49

Item: Your Ability to:

8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.67	9	4.11	8	4.25	7	4.57	2	4.50
2. Business	10	4.10	6	3.67	8	3.88	5	4.40	6	4.67
3. Distributive Ed			1	5.00	3	5.00	1	4.00	4	4.75
4. Elementary Education	23	4.13	19	4.42	31	4.10	34	4.53	22	4.41
5. English	2	4.50	5	4.60	6	4.00	6	4.67	5	4.20
6. Foreign Language	4	4.50	3	2.67	2	4.00	3	3.67	3	3.67
7. HPER	7	4.57	8	4.13	16	3.81	21	4.24	6	3.83
8. Home Economics	5	4.80	5	3.40	12	4.33	14	4.29	8	4.25
9. Industrial Education	2	2.50	4	3.50	7	3.43	1	5.00	5	4.20
10. LEM	1	5.00	2	5.00	6	4.83	4	5.00	2	4.00
11. Math, Comp Science	3	4.67	5	5.00	6	3.83	6	3.83	7	4.00
12. Music	10	4.30	12	4.08	12	4.58	13	4.69	1	5.00
13. Psychology			1	5.00	1	4.00	2	3.50		
14. Science	5	4.80	3	4.67	1	5.00	7	3.43	3	4.00
15. Social Science	1	5.00	10	3.10	7	4.57	8	3.75	4	3.50
16. Special Educ	51	4.53	20	4.25	17	4.76	25	4.44	24	4.33
17. Speech	3	3.67	5	4.40	2	3.50	1	5.00		
18. Speech & Hearing	7	5.00	7	4.29	7	4.57	8	4.00	7	4.43
TOTAL	137	4.42	125	4.13	152	4.28	166	4.33	109	4.28

Item: Your Ability to:

8. Work effectively with other teachers, specialists, administrators, students and parents, regardless of their value systems, race, religion, age, sex, socioeconomics status, etc.

Year

PROFICIENCY	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.00	9	4.00	8	4.25	7	4.14	2	4.50
2. Business	10	4.60	6	3.50	8	4.50	5	4.40	6	4.50
3. Distributive Ed			1	5.00	3	5.00	1	4.00	4	4.75
4. Elementary Education	22	4.55	19	4.21	31	4.42	34	4.41	23	4.39
5. English	2	4.50	5	4.00	6	4.33	5	3.80	5	4.60
6. Foreign Language	4	4.75	3	4.33	2	4.50	3	4.00	3	3.33
7. HPER	7	4.71	8	3.25	16	4.25	21	3.86	6	4.67
8. Home Economics	5	4.20	5	3.80	12	4.33	13	4.62	8	4.50
9. Industrial Education	2	4.50	4	3.75	7	4.00	1	5.00	5	4.20
10. LEM	1	5.00	2	4.50	6	4.00	4	4.75	2	4.00
11. Math, Comp Science	3	4.67	5	4.40	6	4.67	6	3.67	7	3.86
12. Music	10	4.50	12	3.83	12	4.08	13	4.38	1	4.00
13. Psychology			1	5.00	1	3.00	2	3.50		
14. Science	5	4.80	3	4.33	1	4.00	8	3.88	3	4.00
15. Social Science	1	5.00	10	4.30	7	4.57	8	3.63	4	4.25
16. Special Educ	52	4.58	20	4.20	17	4.41	25	4.52	24	4.38
17. Speech	3	3.33	5	4.80	2	2.50	1	5.00		
18. Speech & Hearing	7	4.00	7	4.57	8	4.13	8	4.75	7	4.57
TOTAL	137	4.50	125	4.10	153	4.30	165	4.27	110	4.37

Item: Your Ability to:

9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

NEED	Year 1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	8	4.25	8	4.25	7	4.57	2	4.50
2. Business	10	4.50	6	4.00	8	4.13	5	4.40	6	4.67
3. Distributive Ed			1	5.00	2	5.00	1	4.00	4	4.75
4. Elementary Education	23	4.70	19	4.47	31	4.48	33	4.55	22	4.41
5. English	2	4.50	5	4.40	6	4.33	6	4.17	5	4.60
6. Foreign Language	4	4.50	3	3.67	2	4.50	3	4.33	3	3.67
7. HPER	7	4.57	8	4.63	16	3.88	21	4.29	6	4.50
8. Home Economics	5	5.00	5	4.00	12	4.33	14	4.64	8	4.50
9. Industrial Education	2	2.50	4	4.25	7	4.14	1	5.00	5	4.60
10. LEM	1	4.00	2	5.00	6	4.17	4	5.00	2	4.00
11. Math, Comp Science	3	4.67	5	4.40	6	4.00	6	4.33	6	3.67
12. Music	10	4.50	12	4.42	12	4.42	13	4.46	1	5.00
13. Psychology			1	5.00	1	4.00	2	5.00		
14. Science	5	3.80	3	4.67	1	4.00	7	3.71	3	3.67
15. Social Science	1	3.00	10	3.30	7	4.71	7	3.86	4	3.25
16. Special Educ	51	4.55	20	4.40	17	4.47	25	4.80	24	4.63
17. Speech	3	4.67	5	4.80	2	3.50	1	5.00		
18. Speech & Hearing	7	4.86	7	4.43	7	4.86	8	4.63	6	4.67
TOTAL	137	4.48	124	4.31	151	4.34	164	4.48	107	4.40

Item: Your Ability to:

9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

	Year									
PROFICIENCY	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.67	9	3.89	8	3.50	7	3.71	2	4.50
2. Business	10	4.10	6	3.83	8	3.63	5	3.60	6	4.67
3. Distributive Ed			1	3.00	2	4.00	1	3.00	4	4.75
4. Elementary Education	22	4.00	19	3.68	31	4.10	33	4.09	23	4.13
5. English	2	3.50	5	3.40	6	3.83	5	3.60	5	4.00
6. Foreign Language	4	3.25	3	3.67	2	4.00	3	3.67	3	3.67
7. HPER	7	4.29	8	3.75	16	3.94	21	3.62	6	4.00
8. Home Economics	5	4.40	5	3.60	12	4.25	13	4.15	8	4.13
9. Industrial Education	2	4.50	4	4.25	7	3.71	1	5.00	5	4.20
10. LEM	1	4.00	2	4.50	6	3.33	4	4.00	2	3.50
11. Math, Comp Science	3	3.67	5	3.60	6	3.50	6	3.67	6	4.00
12. Music	10	4.20	12	3.25	12	3.92	13	3.90	1	4.00
13. Psychology			1	5.00	1	4.00	2	4.00		
14. Science	5	3.60	3	4.00	1	4.00	8	3.88	3	4.00
15. Social Science	1	3.00	10	3.60	7	4.00	7	3.29	4	3.75
16. Special Educ	52	4.21	20	3.85	17	4.12	25	4.24	24	4.17
17. Speech	3	3.00	5	4.20	2	3.50	1	5.00		
18. Speech & Hearing	7	4.00	7	4.00	8	4.13	8	4.75	6	3.83
TOTAL	137	4.07	125	3.75	152	3.93	163	3.97	108	4.12

Item: Your Ability to:

10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

NEED	Year 1		Year 2		Year 3		Year 4		Year 5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	9	3.78	8	3.63	7	4.00	2	4.00
2. Business	10	4.00	6	3.33	8	4.13	5	4.40	6	3.50
3. Distributive Ed			1	5.00	3	5.00	1	4.00	4	4.25
4. Elementary Education	23	4.35	18	4.11	31	4.16	33	4.27	22	4.14
5. English	2	4.50	5	3.80	6	3.83	6	4.33	5	4.00
6. Foreign Language	4	4.50	3	3.67	2	3.50	3	3.67	3	3.33
7. HPER	7	4.14	8	3.63	16	3.69	21	3.81	6	4.50
8. Home Economics	5	4.20	5	3.80	12	3.92	14	4.00	8	4.25
9. Industrial Education	2	3.50	4	4.25	7	3.71	1	5.00	5	3.20
10. LEM	1	4.00	2	3.50	4	1.25	4	4.25	2	3.00
11. Math, Comp Science	3	4.33	5	4.40	6	3.50	6	3.83	7	3.43
12. Music	10	4.20	11	3.09	12	3.25	13	3.62	1	5.00
13. Psychology			1	4.00	1	4.00	2	4.00		
14. Science	5	3.40	3	3.00	1	4.00	7	3.57	3	3.33
15. Social Science	1	2.00	10	3.30	7	3.57	8	3.13	4	3.75
16. Special Educ	51	4.57	20	4.65	17	4.88	25	4.64	24	4.67
17. Speech	3	4.00	5	4.20	2	4.50	1	3.00		
18. Speech & Hearing	7	5.00	7	4.29	6	4.67	8	4.63	7	3.43
TOTAL	137	4.36	123	3.92	149	3.93	165	4.08	109	4.04

Item: Your Ability to:

10. Individualize instruction to meet the varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

PROFICIENCY	Year 1 N	Year 1 $\bar{X}$	Year 2 N	Year 2 $\bar{X}$	Year 3 N	Year 3 $\bar{X}$	Year 4 N	Year 4 $\bar{X}$	Year 5 N	Year 5 $\bar{X}$
1. Art	3	3.33	9	3.22	8	3.50	7	3.00	2	4.00
2. Business	10	3.40	6	4.00	8	3.50	5	4.00	6	3.50
3. Distributive Ed			1	4.00	3	4.00	1	3.00	4	4.00
4. Elementary Education	22	3.27	18	3.28	31	3.48	33	3.85	23	3.70
5. English	2	3.00	5	3.40	6	3.50	5	3.80	5	4.00
6. Foreign Language	4	3.50	3	2.67	2	3.50	3	2.67	3	3.33
7. HPER	7	3.86	8	2.63	16	3.25	21	3.24	6	3.17
8. Home Economics	5	3.40	5	2.80	12	3.08	13	3.38	8	4.00
9. Industrial Education	2	4.50	4	3.50	7	3.57	1	2.00	5	3.40
10. LEM	1	4.00	2	2.00	4	2.25	4	3.50	2	3.00
11. Math, Comp Science	3	3.33	5	3.60	6	2.83	6	3.67	7	2.57
12. Music	10	3.50	11	3.82	12	3.00	13	3.31	1	5.00
13. Psychology			1	4.00	1	3.00	2	4.00		
14. Science	5	2.40	3	2.67	1	4.00	8	3.75	3	3.33
15. Social Science	1	2.00	9	3.67	7	2.29	8	3.00	4	3.00
16. Special Educ	52	4.17	20	4.35	17	4.35	25	4.48	24	4.33
17. Speech	3	4.00	5	3.20	2	3.00	1	3.00		
18. Speech & Hearing	7	4.14	7	4.29	7	3.71	8	4.38	7	3.71
TOTAL	137	3.72	122	3.52	150	3.39	164	3.68	110	3.72

Item: Your Ability to:

11. Prepare and develop lesson plans and teaching units.

NEED	Year 1 N	Year 1 $\bar{X}$	Year 2 N	Year 2 $\bar{X}$	Year 3 N	Year 3 $\bar{X}$	Year 4 N	Year 4 $\bar{X}$	Year 5 N	Year 5 $\bar{X}$
1. Art	3	5.00	9	4.11	8	4.38	7	4.29	2	3.50
2. Business	10	4.50	7	4.17	8	4.38	5	4.00	6	4.67
3. Distributive Ed			1	4.00	3	3.00	1	4.00	4	4.50
4. Elementary Education	23	4.04	19	4.21	31	4.26	34	4.18	22	3.91
5. English	2	4.00	5	4.80	6	4.17	6	4.67	5	5.00
6. Foreign Language	4	4.75	3	3.33	2	5.00	3	4.00	3	3.33
7. HPER	7	4.00	8	3.50	16	3.81	21	3.81	6	3.83
8. Home Economics	5	4.40	5	4.20	12	4.42	14	4.43	8	4.38
9. Industrial Education	2	3.00	4	2.00	7	3.57	1	3.00	5	4.00
10. LEM	1	3.00	2	3.50	5	2.60	4	4.25	2	3.00
11. Math, Comp Science	3	4.67	5	4.20	6	3.50	6	3.33	7	4.00
12. Music	10	3.50	12	3.42	12	3.58	13	4.00	1	3.00
13. Psychology			1	5.00	1	5.00	2	4.00		
14. Science	5	3.80	3	4.67	1	5.00	7	3.57	3	3.00
15. Social Science	1	5.00	10	2.60	7	4.14	8	3.75	4	3.75
16. Special Educ	50	4.10	20	4.15	16	4.56	25	4.20	24	4.21
17. Speech	3	4.00	5	4.60	2	5.00	1	4.00		
18. Speech & Hearing	7	4.29	7	4.14	7	4.29	8	4.00	7	4.29
TOTAL	136	4.11	125	3.90	150	4.09	166	4.06	109	4.07

Item: Your Ability to:

11. Prepare and develop lesson plans and teaching units.

PROFICIENCY		Year									
		1		2		3		4		5	
		N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art		3	4.33	9	4.33	8	4.13	7	4.00	2	3.00
2. Business		10	4.40	6	4.00	8	4.13	5	4.00	6	4.67
3. Distributive Ed				1	4.00	3	3.33	1	4.00	4	4.25
4. Elementary Education		22	4.00	19	3.79	31	4.03	34	4.24	23	3.83
5. English		2	4.50	5	4.40	6	4.17	5	4.60	5	4.20
6. Foreign Language		4	4.25	3	4.67	2	5.00	3	4.67	3	4.33
7. HPER		7	4.14	8	4.00	16	4.19	21	3.95	6	4.00
8. Home Economics		5	3.60	5	3.60	12	4.58	13	4.15	8	4.25
9. Industrial Education		2	5.00	4	3.00	7	3.71	1	2.00	5	3.80
10. LEM		1	3.00	2	4.00	5	3.00	4	4.00	2	3.00
11. Math, Comp Science		3	4.33	5	4.60	6	4.33	6	4.33	7	4.00
12. Music		10	3.80	12	3.58	12	3.50	13	3.85	1	3.00
13. Psychology				1	5.00	1	4.00	2	4.00		
14. Science		5	4.20	3	4.00	1	5.00	8	3.63	3	3.33
15. Social Science		1	4.00	10	3.40	7	4.29	8	4.00	4	4.00
16. Special Educ		51	4.02	20	4.10	16	4.19	25	4.16	24	4.13
17. Speech		3	2.33	5	4.00	2	4.50	1	5.00		
18. Speech & Hearing		7	3.57	7	3.57	8	3.88	8	3.88	7	4.29
TOTAL		136	4.00	125	3.91	151	4.06	165	4.08	110	4.02

Item: Your Ability to:

12. Prepare teacher made tests and evaluate/report pupil progress.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	3.3[illegible]	9	2.89	7	3.43	7	3.71	2	2.00
2. Business	10	4.70	6	4.67	8	4.13	5	4.20	6	4.67
3. Distributive Ed			1	4.00	3	3.67	1	5.00	4	4.00
4. Elementary Education	23	4.13	19	4.00	31	3.94	34	4.00	21	4.00
5. English	2	4.50	5	4.80	6	4.33	6	4.50	5	4.80
6. Foreign Language	4	5.00	3	3.33	2	5.00	30	4.00	3	3.67
7. HPER	7	3.86	8	3.38	14	3.64	20	4.20	6	3.50
8. Home Economics	5	4.40	5	4.20	12	4.25	14	4.21	8	4.25
9. Industrial Education	2	3.00	4	3.75	7	3.71	1	5.00	5	4.00
10. LEM	1	3.00	2	4.00	4	2.00	4	4.00	2	3.00
11. Math, Comp Science	3	5.00	5	4.60	6	4.00	6	4.67	7	4.29
12. Music	9	4.22	11	3.73	12	3.50	13	3.77	1	3.00
13. Psychology			1	3.00	1	4.00	2	4.00		
14. Science	5	4.00	3	4.67	1	5.00	7	4.00	3	3.67
15. Social Science	1	5.00	9	3.67	7	4.57	8	4.25	4	3.75
16. Special Educ	50	4.12	20	3.85	17	4.35	25	4.08	24	4.17
17. Speech	3	4.00	5	4.60	2	5.00	1	4.00		
18. Speech & Hearing	6	3.33	7	3.57	7	4.14	8	3.75	7	3.29
TOTAL	134	4.14	123	3.89	147	3.97	165	4.08	108	3.98

Item: Your Ability to:

12. Prepare teacher made tests and evalute/report pupil progress.

PROFICIENCY	Year 1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	2.67	9	3.22	7	3.57	7	3.57	2	1.50
2. Business	10	4.10	6	4.50	8	4.00	5	4.20	6	4.67
3. Distributive Ed			1	4.00	3	3.67	1	5.00	4	4.75
4. Elementary Education	22	3.86	18	3.83	31	3.74	34	3.76	22	3.86
5. English	2	5.00	5	4.40	5	4.40	5	4.40	5	4.60
6. Foreign Language	4	4.75	3	4.33	2	4.50	3	4.33	3	5.00
7. HPER	7	3.43	7	3.43	14	4.14	20	4.10	6	3.50
8. Home Economics	5	4.40	5	4.00	12	4.42	13	4.08	8	4.25
9. Industrial Education	2	5.00	4	4.00	7	3.86	1	3.00	5	3.80
10. LEM	1	3.00	2	4.00	4	2.75	3	4.33	2	3.00
11. Math, Comp Science	3	4.33	5	4.60	6	4.33	6	4.17	7	3.57
12. Music	9	4.00	11	3.82	12	3.42	13	3.69	1	5.00
13. Psychology			1	3.00	1	5.00	2	4.50		
14. Science	5	4.20	3	4.33	1	5.00	8	3.75	3	3.67
15. Social Science	1	4.00	9	3.89	7	4.71	8	4.13	4	4.25
16. Special Educ	51	3.71	19	3.79	17	4.06	25	4.00	24	3.79
17. Speech	3	3.00	5	4.60	2	4.00	1	5.00		
18. Speech & Hearing	6	3.33	7	3.71	7	3.43	7	3.86	7	3.43
TOTAL	134	3.84	120	3.91	146	3.94	162	3.96	109	3.94

Item: Your Ability to:

13. Understand and utilize standardized tests.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	2.00	9	2.00	6	1.83	7	2.29	1	1.00
2. Business	10	3.80	6	3.00	8	3.63	5	3.00	6	3.83
3. Distributive Ed			1	3.00	3	2.00	1	5.00	4	4.00
4. Elementary Education	23	3.61	19	3.11	31	3.42	34	3.50	22	3.50
5. English	2	3.00	5	3.60	6	2.50	6	3.50	5	3.60
6. Foreign Language	4	3.00	3	3.67	2	3.50	3	2.67	3	2.33
7. HPER	7	3.57	7	3.00	15	3.00	21	3.19	6	1.83
8. Home Economics	4	2.50	5	2.60	12	2.58	14	2.07	8	2.88
9. Industrial Education	2	3.00	4	2.00	7	2.86	1	2.00	5	1.80
10. LEM	1	3.00	2	2.50	4	1.50	4	3.25	2	2.50
11. Math, Comp Science	3	2.67	5	3.80	6	2.50	6	3.83	7	3.71
12. Music	8	2.88	11	2.55	12	2.33	13	2.31	1	3.00
13. Psychology			1	2.00	1	1.00	2	3.00		
14. Science	5	2.20	3	2.00	1	3.00	7	2.71	3	2.67
15. Social Science	1	1.00	10	2.80	7	2.43	8	2.63	4	2.50
16. Special Educ	51	3.86	20	3.80	17	3.82	25	3.76	24	3.33
17. Speech	3	3.00	5	3.60	2	2.50	1	3.00		
18. Speech & Hearing	7	4.86	7	4.29	7	4.71	8	4.88	7	4.43
TOTAL	134	3.52	123	3.08	147	3.04	166	3.19	108	3.22

Item: Your Ability to:

13. Understand and utilize standardized tests.

PROFICIENCY	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	1.67	9	2.11	6	2.00	6	2.83	1	1.00
2. Business	9	3.22	6	2.83	8	3.50	5	2.40	6	4.33
3. Distributive Ed			1	4.00	3	3.00	1	3.00	4	3.25
4. Elementary Education	22	3.50	19	3.59	31	3.52	34	3.18	23	3.61
5. English	2	2.50	5	4.00	5	3.60	5	3.00	5	4.00
6. Foreign Language	4	3.00	3	2.67	2	3.00	3	3.33	3	3.33
7. HPER	7	3.57	7	2.86	15	3.07	20	3.10	6	2.50
8. Home Economics	4	2.50	5	2.20	12	2.50	13	2.46	8	2.88
9. Industrial Education	2	2.00	4	2.75	7	3.29	1	1.00	5	3.00
10. LEM	1	4.00	2	3.00	4	2.25	3	3.33	2	3.00
11. Math, Comp Science	3	3.00	5	4.20	6	2.67	6	3.00	7	3.57
12. Music	8	3.25	11	2.72	12	2.50	12	2.58	1	3.00
13. Psychology			1	2.00	1	2.00	2	4.50		
14. Science	5	2.00	3	2.00	1	4.00	8	3.00	3	2.67
15. Social Science	1	1.00	10	3.00	7	2.29	8	2.75	4	2.75
16. Special Educ	51	3.67	20	3.75	17	3.88	25	3.52	24	3.25
17. Speech	3	3.00	5	2.80	2	2.50	1	2.00		
18. Speech & Hearing	7	4.29	7	3.86	8	4.38	8	4.63	7	3.86
TOTAL	132	3.36	123	3.12	147	3.16	161	3.12	109	3.35

Item: Your Ability to:

14. Communicate effectively with parents regarding student progress.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.33	9	4.00	8	3.63	7	3.86	2	3.00
2. Business	10	4.00	6	3.83	8	4.50	5	4.40	6	3.67
3. Distributive Ed			1	5.00	3	5.00	1	4.00	4	4.50
4. Elementary Education	23	4.30	18	4.28	31	4.29	33	4.42	22	4.27
5. English	2	4.00	5	4.60	6	3.83	6	4.17	5	4.20
6. Foreign Language	4	4.25	3	3.00	2	4.00	3	3.67	3	3.67
7. HPER	7	4.43	8	4.00	16	3.50	21	4.00	6	4.17
8. Home Economics	5	4.40	5	4.00	12	3.92	14	4.43	8	4.50
9. Industrial Education	2	2.50	4	3.50	6	4.17	1	3.00	5	4.00
10. LEM	1	2.00	2	3.00	4	3.00	3	3.33	2	3.50
11. Math, Comp Science	3	4.33	5	4.60	6	4.33	6	3.83	7	4.43
12. Music	10	4.80	12	4.25	12	4.67	13	4.54	1	5.00
13. Psychology			1	5.00	1	4.00	2	4.50		
14. Science	5	3.80	3	4.67	1	4.00	7	3.00	3	3.67
15. Social Science	1	5.00	10	3.20	7	4.57	8	3.25	4	3.25
16. Special Educ	51	4.57	20	4.50	17	4.76	25	4.52	24	4.63
17. Speech	3	4.33	5	4.80	2	4.00	1	5.00		
18. Speech & Hearing	7	4.71	7	4.43	7	4.71	8	4.88	7	4.86
TOTAL	137	4.39	124	4.15	149	4.21	164	4.20	109	4.27

Item: Your Ability to:

14. Communicate effectively with parents regarding student progress.

PROFICIENCY

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	2.33	9	3.78	8	2.88	7	3.43	2	3.00
2. Business	10	3.80	6	3.17	8	4.13	5	3.20	6	4.17
3. Distributive Ed			1	4.00	3	5.00	1	4.00	4	4.50
4. Elementary Education	22	4.09	19	3.79	31	3.74	32	3.94	23	4.09
5. English	2	4.00	5	4.00	6	3.50	5	3.80	5	4.40
6. Foreign Language	4	3.50	3	3.67	2	2.50	3	3.67	3	4.67
7. HPER	7	4.14	8	3.38	16	3.75	21	3.57	6	3.83
8. Home Economics	5	3.40	5	3.20	12	3.33	13	4.15	8	4.25
9. Industrial Education	2	5.00	4	3.50	6	3.83	1	1.00	5	3.60
10. LEM	1	2.00	2	3.00	4	3.50	3	3.00	2	3.00
11. Math, Comp Science	3	3.33	5	4.60	6	3.33	6	2.83	7	3.86
12. Music	10	3.80	12	3.42	12	3.83	13	3.54	1	4.00
13. Psychology			1	5.00	1	3.00	2	3.00		
14. Science	5	3.20	3	4.00	1	2.00	8	3.75	3	4.00
15. Social Science	1	5.00	10	4.00	7	3.43	8	3.13	4	3.50
16. Special Educ	51	4.06	19	4.16	17	4.24	25	4.28	24	4.21
17. Speech	3	3.67	5	4.00	2	3.50	1	5.00		
18. Speech & Hearing	7	3.86	7	4.29	8	4.25	7	4.71	7	4.43
TOTAL	136	3.89	124	3.81	150	3.73	161	3.78	110	4.08

Item: Your Ability to:

15. Compare, contrast and utilize various educational philosophical viewpoints.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.00	9	3.44	8	3.13	7	2.86	2	4.00
2. Business	10	2.90	6	2.50	8	2.63	5	2.60	6	3.17
3. Distributive Ed			1	2.00	3	3.00	1	3.00	4	3.50
4. Elementary Education	23	3.43	19	3.00	31	3.13	33	3.15	21	3.10
5. English	2	2.50	5	4.00	6	3.67	6	3.33	5	2.80
6. Foreign Language	4	3.00	3	2.33	2	3.50	3	2.00	3	2.00
7. HPER	7	4.29	8	3.50	16	3.06	21	3.38	6	2.50
8. Home Economics	5	3.00	5	3.40	12	2.92	14	2.71	8	3.00
9. Industrial Education	2	3.50	3	2.33	7	3.00	1	1.00	5	2.60
10. LEM	1	2.00	2	2.50	5	3.00	4	3.00	2	2.50
11. Math, Comp Science	3	2.33	5	3.00	6	2.50	6	2.83	7	2.57
12. Music	10	3.50	12	2.75	12	3.00	13	2.92	1	3.00
13. Psychology			1	3.00	1	5.00	2	3.00		
14. Science	5	2.00	3	1.33	1	3.00	7	2.29	3	2.33
15. Social Science	1	4.00	10	2.50	7	3.43	8	2.63	4	3.25
16. Special Educ	51	3.20	20	3.25	17	3.12	25	3.32	24	2.92
17. Speech	3	3.00	5	3.00	2	2.50	1	3.00		
18. Speech & Hearing	7	2.71	7	3.43	7	3.14	8	2.88	7	3.57
TOTAL	137	3.20	124	3.02	151	3.07	165	3.00	108	2.95

Item: Your Ability to:

15. Compare, contrast and utilize various educational philosophical viewpoints.

PROFICIENCY

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	3.33	9	3.11	8	3.00	7	2.86	2	4.00
2. Business	10	2.70	6	2.33	8	2.75	5	2.20	6	3.33
3. Distributive Ed			1	3.00	3	3.00	1	3.00	4	4.25
4. Elementary Education	22	3.36	19	3.26	29	2.93	33	3.15	22	3.41
5. English	2	2.00	5	3.80	6	3.50	5	3.20	5	3.00
6. Foreign Language	4	3.50	3	3.00	2	4.50	3	3.33	3	3.33
7. HPER	7	3.86	8	3.00	16	3.13	21	3.05	6	2.83
8. Home Economics	5	2.60	5	2.80	12	2.58	13	2.69	8	3.25
9. Industrial Education	2	3.00	3	3.00	7	3.29	1	1.00	5	3.00
10. LEM	1	2.00	2	3.50	5	2.80	4	3.25	2	3.50
11. Math, Comp Science	3	2.33	5	2.60	6	2.67	6	2.83	7	2.14
12. Music	10	3.30	12	3.17	12	3.08	13	2.69	1	3.00
13. Psychology			1	4.00	1	4.00	2	3.50		
14. Science	5	2.40	3	1.33	1	3.00	8	3.13	3	2.33
15. Social Science	1	4.00	10	3.00	7	3.00	8	3.00	4	3.25
16. Special Educ	52	3.27	20	3.30	17	3.00	25	3.60	24	3.13
17. Speech	3	3.33	5	3.20	2	3.50	1	3.00		
18. Speech & Hearing	7	2.86	7	3.00	8	3.38	8	2.75	7	3.29
TOTAL	137	3.16	124	3.07	150	3.03	164	3.04	109	3.17

Item: Your Ability to:

16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

NEED	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	9	4.67	8	3.88	7	4.29	2	5.00
2. Business	10	4.20	6	3.67	8	3.75	5	3.80	6	4.33
3. Distributive Ed			1	5.00	3	4.67	1	4.00	4	4.00
4. Elementary Education	23	4.57	19	3.89	30	4.20	34	4.15	22	4.41
5. English	2	3.50	5	4.40	6	4.17	6	3.83	5	3.80
6. Foreign Language	4	5.00	3	3.33	2	4.50	3	3.33	3	3.33
7. HPER	7	4.29	8	4.38	16	3.94	21	4.43	6	4.50
8. Home Economics	5	4.40	5	4.00	12	4.25	14	4.36	8	4.50
9. Industrial Education	2	2.00	4	3.00	7	4.00	1	2.00	5	4.00
10. LEM	1	4.00	2	3.50	6	4.33	4	4.00	2	3.50
11. Math, Comp Science	3	4.67	5	4.20	6	4.00	6	3.83	7	3.57
12. Music	10	4.40	12	3.92	12	3.33	13	4.23	1	5.00
13. Psychology			1	5.00	1	4.00	2	5.00		
14. Science	5	3.60	3	3.33	1	4.00	7	3.43	3	3.67
15. Social Science	1	3.00	10	3.60	7	4.29	8	3.75	4	3.50
16. Special Educ	51	4.59	20	4.60	16	4.63	25	4.60	24	4.67
17. Speech	3	4.33	5	4.60	2	2.50	1	5.00		
18. Speech & Hearing	7	4.14	7	3.86	7	4.57	8	4.13	7	4.57
TOTAL	137	4.41	125	4.08	150	4.11	166	4.18	109	4.28

Item: Your Ability to:

16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

PROFICIENCY	Year 1		2		3		4		5	
	N	$\bar{X}$	N	X	N	X	N	X	N	X
1. Art	3	4.33	9	3.89	8	3.63	7	4.14	2	4.50
2. Business	10	3.80	6	3.67	8	3.63	5	3.00	6	4.67
3. Distributive Ed			1	4.00	3	4.67	1	3.00	4	4.50
4. Elementary Education	23	4.00	19	3.68	30	3.90	34	4.00	23	4.43
5. English	2	3.50	5	4.40	6	3.67	5	3.40	5	3.60
6. Foreign Language	4	4.00	3	4.00	2	4.00	3	4.00	3	5.00
7. HPER	7	4.29	8	3.63	16	3.94	21	3.90	6	4.00
8. Home Economics	5	3.40	5	3.80	12	3.58	13	4.00	8	4.38
9. Industrial Education	2	3.50	4	3.25	7	3.57	1	1.00	5	3.60
10. LEM	1	3.00	2	2.50	6	3.33	4	3.75	2	3.00
11. Math, Comp Science	3	4.33	5	4.20	6	3.50	6	3.50	7	3.00
12. Music	10	4.10	12	3.75	12	3.08	13	4.00		
13. Psychology			1	5.00	1	3.00	2	3.50		
14. Science	5	3.80	3	3.33	1	2.00	8	3.50	3	4.00
15. Social Science	1	3.00	10	3.70	7	3.71	8	3.13	4	4.00
16. Special Educ	52	4.21	20	4.15	17	4.12	25	4.52	24	4.17
17. Speech	3	4.33	5	4.40	2	3.50	1	5.00		
18. Speech & Hearing	7	3.57	7	3.71	8	3.75	7	4.14	7	4.29
TOTAL	138	4.03	125	3.84	152	3.72	164	3.91	109	4.15

Item: Your Ability to:

17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.

NEED

	Year									
	1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	9	4.44	7	3.86	7	3.43	2	3.00
2. Business	9	3.78	6	3.00	8	3.25	5	3.40	6	2.83
3. Distributive Ed			1	5.00	3	4.33	1	5.00	4	2.75
4. Elementary Education	23	3.61	18	3.72	31	3.42	34	3.65	21	3.29
5. English	2	4.00	5	4.40	6	3.50	6	3.33	5	3.60
6. Foreign Language	4	3.75	3	4.00	2	4.00	3	2.00	3	3.33
7. HPER	7	4.43	8	3.50	16	3.56	21	3.81	6	3.83
8. Home Economics	5	4.20	5	3.60	12	4.00	14	3.21	8	4.38
9. Industrial Education	2	3.00	4	4.25	7	3.86	1	4.00	5	4.40
10. LEM	1	5.00	2	1.50	6	3.83	4	3.75	2	3.50
11. Math, Comp Science	3	3.33	5	4.20	6	3.50	6	3.17	7	3.29
12. Music	10	4.10	12	3.25	12	3.58	13	3.77	1	3.00
13. Psychology			1	3.00	1	4.00	2	4.00		
14. Science	5	3.00	3	4.33	1	5.00	7	3.14	3	3.67
15. Social Science	1	1.00	10	2.40	7	4.29	8	3.88	4	3.75
16. Special Educ	51	3.96	20	3.95	17	4.12	25	3.52	24	3.38
17. Speech	3	3.00	5	3.80	2	4.50	1	3.00		
18. Speech & Hearing	7	5.00	7	4.00	7	4.71	8	4.63	7	4.43
TOTAL	136	3.91	124	3.61	151	3.77	166	3.59	108	3.54

Item: Your Ability to:

17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.

PROFICIENCY		Year									
		1		2		3		4		5	
		N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art		3	3.67	9	3.33	7	3.14	7	3.29	2	3.00
2. Business		9	3.00	6	2.83	8	2.63	5	2.80	6	3.50
3. Distributive Ed				1	3.00	3	4.00	1	1.00	4	4.00
4. Elementary Education		23	3.13	18	2.94	31	3.23	33	3.03	22	3.55
5. English		2	4.00	5	4.60	6	2.50	5	3.00	5	3.00
6. Foreign Language		4	4.00	3	3.67	2	3.00	3	3.33	3	3.67
7. HPER		7	4.29	8	3.38	16	3.06	21	3.57	6	3.00
8. Home Economics		5	2.80	5	3.20	12	3.17	13	3.15	8	3.13
9. Industrial Education		2	3.50	4	3.75	7	3.29	1	3.00	5	3.40
10. LEM		1	4.00	2	2.00	6	2.00	4	3.25	2	3.50
11. Math, Comp Science		3	4.00	5	4.00	6	3.67	6	2.67	7	3.29
12. Music		10	2.90	12	3.08	12	2.92	13	3.38	1	1.00
13. Psychology				1	3.00	1	1.00	2	1.50		
14. Science		5	3.00	3	2.00	1	1.00	8	3.63	3	4.33
15. Social Science		1	1.00	10	3.10	7	3.14	8	3.50	4	3.75
16. Special Educ		51	3.39	19	3.47	17	3.53	25	3.40	24	3.29
17. Speech		3	3.33	5	3.20	2	2.00	1	3.00		
18. Speech & Hearing		7	4.43	7	4.00	8	3.88	8	4.13	7	3.57
TOTAL		136	3.38	123	3.30	152	2.89	164	3.27	109	3.39

Item: Your Ability to:

18. Adequately challenge your gifted/talented students.

NEED	Year 1		Year 2		Year 3		Year 4		Year 5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	5.00	9	4.78	8	4.00	7	4.86	2	4.50
2. Business	10	4.00	5	3.60	8	3.25	5	4.40	6	4.17
3. Distributive Ed			1	5.00	3	3.00	1	5.00	4	3.75
4. Elementary Education	23	4.09	19	3.63	29	4.07	33	4.33	21	3.95
5. English	2	4.50	4	3.75	6	4.50	5	3.00	5	4.40
6. Foreign Language	4	4.75	3	3.67	2	5.00	3	3.67	3	3.33
7. HPER	7	4.43	8	3.88	16	3.38	20	4.25	6	4.33
8. Home Economics	5	4.40	5	3.80	12	4.17	14	3.93	8	4.00
9. Industrial Education	2	2.50	4	4.00	7	4.29	1	5.00	5	4.20
10. LEM	1	4.00	2	4.50	6	4.83	4	4.25	2	4.00
11. Math, Comp Science	3	4.67	5	4.20	6	4.33	6	4.33	7	3.71
12. Music	10	4.60	12	4.00	12	4.42	13	4.23	1	4.00
13. Psychology			1	4.00	1	4.00	2	3.50		
14. Science	5	4.20	3	4.33	1	4.00	7	3.43	3	3.67
15. Social Science	1	4.00	10	3.50	7	4.00	8	3.75	4	3.25
16. Special Educ	44	3.59	17	3.47	17	4.29	23	3.57	22	4.00
17. Speech	3	4.33	5	3.60	2	4.50	1	2.00		
18. Speech & Hearing	5	3.00	7	1.86	6	2.33	8	2.63	6	3.50
TOTAL	128	3.98	120	3.73	149	4.00	161	3.97	105	3.95

Item: Your Ability to:

18. Adequately challenge your gifted/talented students.

PROFICIENCY

		Year									
		1		2		3		4		5	
		N	X̄	N	X̄	N	X̄	N	X̄	N	X̄
1. Art		3	3.00	9	3.33	8	3.63	7	3.86	2	4.00
2. Business		10	2.90	5	2.80	8	2.25	5	1.60	6	3.67
3. Distributive Ed				1	3.00	3	2.67	1	4.00	4	3.50
4. Elementary Education		23	3.13	19	3.05	30	3.43	33	3.45	23	3.43
5. English		2	3.00	4	3.25	6	3.50	4	2.00	5	3.00
6. Foreign Language		4	2.50	2	3.50	2	3.50	3	2.33	3	3.67
7. HPER		7	3.71	8	3.13	16	2.88	20	3.30	5	3.80
8. Home Economics		5	2.80	5	2.40	12	2.67	13	3.23	8	3.13
9. Industrial Education		2	3.50	4	3.25	7	3.57	1	4.00	5	3.00
10. LEM		1	4.00	2	3.50	6	3.17	4	3.50	2	3.00
11. Math, Comp Science		3	3.00	5	3.40	6	3.00	6	3.67	7	3.14
12. Music		10	4.00	12	3.00	12	3.58	13	3.54	1	4.00
13. Psychology				1	4.00	1	3.00	2	2.00		
14. Science		5	3.00	3	2.67	1	1.00	7	3.57	3	2.67
15. Social Science		1	4.00	10	2.90	7	2.71	8	2.88	4	3.00
16. Special Educ		40	2.78	15	2.80	17	3.12	22	3.00	20	3.00
17. Speech		3	4.00	5	2.60	2	3.50	1	2.00		
18. Speech & Hearing		5	2.60	7	2.96	6	2.17	8	2.38	6	3.33
TOTAL		124	3.07	117	3.00	150	3.10	158	3.17	104	3.27

Item: Your Ability to:

19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

NEED	Year 1		2		3		4		5	
	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$	N	$\bar{X}$
1. Art	3	4.67	9	4.44	8	3.63	7	3.57	2	4.00
2. Business	10	3.70	5	3.40	8	3.50	5	4.20	6	3.33
3. Distributive Ed			1	5.00	3	3.00	1	4.00	4	4.75
4. Elementary Education	23	4.04	19	4.11	29	4.07	33	4.06	21	4.00
5. English	2	4.50	5	4.00	6	4.50	5	3.20	5	3.60
6. Foreign Language	4	4.75	3	3.67	2	2.50	3	3.33	3	4.33
7. HPER	7	4.29	8	4.25	16	3.75	21	3.67	6	4.50
8. Home Economics	4	5.00	5	4.20	12	4.42	14	4.00	8	4.38
9. Industrial Education	2	2.50	4	3.75	7	3.71	1	4.00	5	3.60
10. LEM	1	4.00	2	4.50	5	4.80	4	3.50	2	4.00
11. Math, Comp Science	3	4.33	5	4.20	6	3.50	6	3.50	7	3.43
12. Music	10	4.00	12	3.08	12	3.17	13	3.00	1	4.00
13. Psychology			1	3.00	1	3.00	2	3.50		
14. Science	4	4.25	3	3.67	1	4.00	6	2.33	3	3.33
15. Social Science	1	2.00	9	3.11	7	3.29	8	3.63	4	3.50
16. Special Educ	46	4.61	19	4.53	14	4.43	24	4.42	23	4.78
17. Speech	3	4.33	5	3.80	2	5.00	1	4.00		
18. Speech & Hearing	7	3.14	7	4.14	5	4.00	8	4.38	5	1.80
TOTAL	130	4.23	122	3.97	144	3.89	162	3.80	105	4.05

Item: Your Ability to:

19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

PROFICIENCY	Year 1 N	Year 1 $\bar{X}$	Year 2 N	Year 2 $\bar{X}$	Year 3 N	Year 3 $\bar{X}$	Year 4 N	Year 4 $\bar{X}$	Year 5 N	Year 5 $\bar{X}$
1. Art	3	3.33	9	3.00	8	2.75	7	3.00	2	3.50
2. Business	10	2.80	5	1.80	8	3.00	5	2.20	6	3.33
3. Distributive Ed			1	4.00	3	3.67	1	3.00	4	2.50
4. Elementary Education	21	3.00	19	3.37	27	3.15	33	3.43	22	3.50
5. English	2	3.00	5	2.80	6	2.83	4	2.25	5	2.80
6. Foreign Language	3	3.33	3	3.33	2	2.00	3	2.00	3	2.00
7. HPER	7	3.86	8	3.38	16	3.50	21	3.24	6	3.67
8. Home Economics	4	3.50	5	2.80	12	3.00	13	3.23	8	2.88
9. Industrial Education	2	4.00	4	3.00	7	3.43	1	2.00	5	3.00
10. LEM	1	3.00	2	3.50	5	3.00	4	3.00	2	2.50
11. Math, Comp Science	3	3.33	5	3.40	6	2.50	6	2.50	7	2.71
12. Music	10	2.60	12	2.75	12	2.50	12	2.67	1	4.00
13. Psychology			1	3.00	1	3.00	2	3.00		
14. Science	4	2.75	3	3.33	1	1.00	7	2.86	3	3.67
15. Social Science	1	2.00	9	2.89	7	2.14	8	2.38	4	3.25
16. Special Educ	45	4.40	18	4.17	14	4.00	23	4.35	20	4.25
17. Speech	3	3.00	4	2.50	2	2.50	1	4.00		
18. Speech & Hearing	7	3.43	7	4.14	5	3.80	7	4.43	5	3.20
TOTAL	126	3.57	120	3.26	142	3.07	158	3.27	103	3.37

Section C

Where Were the Proficiencies Developed?

58.

Item: 1. Teach reading in your grade or subject area.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.52	42
2	1.52	21
3	1.93	29
4	1.59	37
5	2.00	19

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.60	25
2	1.47	17
3	2.45	22
4	2.24	21
5	2.11	9

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.54	37
2	1.21	28
3	1.42	36
4	1.71	41
5	1.65	20

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.14	5.
2	1.29	51
3	1.36	55
4	1.40	55
5	1.21	42

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	0	0
2	1.83	12
3	1.56	27
4	1.43	54
5	1.23	31

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.50	4
2	2.22	9
3	2.64	11
4	2.46	13
5	2.27	15

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.67	18
2	2.00	18
3	2.45	11
4	2.42	31
5	1.94	16

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.00	4
2	2.00	5
3	4.17	6
4	3.50	4
5	6.00	3

Item: 2. Deal with pupil behavior problems.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.54	84
2	1.91	54
3	2.01	56
4	1.83	53
5	1.88	33

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	2.17	12
2	3.71	7
3	2.50	14
4	2.67	6
5	2.71	7

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	2.31	16
2	3.09	11
3	3.13	8
4	3.00	10
5	4.38	8

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.27	86
2	1.20	90
3	1.25	106
4	1.32	117
5	1.30	73

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.50	2
2	2.12	26
3	1.69	59
4	1.60	68
5	1.50	52

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	2.07	14
2	3.70	10
3	2.75	12
4	2.83	12
5	3.40	5

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	2.58	24
2	2.50	26
3	2.68	22
4	2.38	37
5	2.17	24

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.25	24
2	2.58	19
3	2.92	13
4	2.32	19
5	2.80	5

Item: 3. Select, prepare, and effectively utilize educational media.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.48	64
2	1.40	58
3	1.66	53
4	1.34	56
5	1.36	36

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.64	22
2	1.64	14
3	1.84	25
4	1.47	19
5	1.30	10

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.41	59
2	1.35	34
3	1.33	46
4	1.30	53
5	1.40	35

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.31	45
2	1.52	48
3	1.46	59
4	1.47	60
5	1.42	35

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	2
2	1.75	8
3	1.59	32
4	1.48	42
5	1.62	34

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	2.50	2
2	3.00	4
3	2.00	8
4	2.00	9
5	2.80	10

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.73	11
2	1.69	13
3	2.55	11
4	2.12	17
5	2.33	6

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.50	2
2	2.17	6
3	5.40	5
4	1.00	2
5	3.25	4

Item: 4. Analyze and evaluate your teaching performance skills.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.30	88
2	1.39	67
3	1.43	81
4	1.38	79
5	1.24	50

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.67	24
2	1.65	17
3	2.11	18
4	1.33	18
5	1.90	10

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.30	27
2	1.77	13
3	1.67	24
4	1.35	20
5	1.95	19

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.52	44
2	1.63	48
3	1.52	44
4	1.41	51
5	1.67	30

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	3.00	1
2	2.24	17
3	1.61	36
4	1.44	41
5	1.47	34

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	3.00	2
2	3.50	4
3	4.75	5
4	2.50	6
5	2.00	8

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.80	5
2	2.36	14
3	2.30	10
4	2.40	10
5	4.00	3

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.54	28
2	1.81	37
3	2.04	27
4	1.59	34
5	2.00	20

62.

Item: 5. Utilize the findings from #4 above in altering your teaching and providing more successful instruction for your pupils.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.30	61
2	1.38	9
3	1.44	43
4	1.51	49
5	1.33	20

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.46	13
2	1.93	15
3	2.36	14
4	1.20	5
5	2.20	5

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.19	16
2	1.57	14
3	2.07	15
4	1.41	17
5	1.65	17

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.70	73
2	1.42	59
3	1.36	53
4	1.31	59
5	1.22	36

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.33	3
2	1.82	28
3	1.31	61
4	1.35	66
5	1.30	46

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	2.00	3
2	3.14	7
3	3.00	5
4	1.80	10
5	1.67	6

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	2.00	4
2	2.25	16
3	2.33	9
4	1.75	12
5	2.80	5

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.36	14
2	1.74	23
3	1.87	15
4	1.35	23
5	1.83	6

Item: 6. Diagnose pupil learning difficulties (via testing instruments, observational techniques, etc.).

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.41	44
2	1.50	26
3	1.88	26
4	1.35	34
5	2.13	16

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.50	14
2	2.07	14
3	1.93	14
4	1.63	19
5	1.60	5

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.32	41
2	1.32	31
3	1.55	42
4	1.29	52
5	1.26	34

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.37	62
2	1.44	55
3	1.50	58
4	1.40	53
5	1.47	30

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.50	2
2	2.06	17
3	1.49	43
4	1.59	49
5	1.33	42

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.75	8
2	2.75	8
3	2.58	12
4	2.09	22
5	2.09	11

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.73	15
2	1.69	26
3	1.75	20
4	1.57	23
5	2.18	11

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.00	7
2	1.45	11
3	3.40	10
4	2.00	12
5	1.90	10

Item: 7. (After diagnosis) ... make prescriptions of instructional strategies, educational media, and materials that more fully maximize pupil learning outcomes.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.57	46
2	1.88	17
3	1.55	20
4	1.55	33
5	1.74	19

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	2.11	9
2	1.86	14
3	1.64	11
4	1.43	14
5	2.43	7

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.38	40
2	1.15	27
3	1.45	31
4	1.33	39
5	1.52	23

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.23	70
2	1.20	51
3	1.31	48
4	1.35	51
5	1.39	31

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	2.00	2
2	1.86	21
3	1.46	50
4	1.31	65
5	1.28	46

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	2.00	3
2	2.40	10
3	2.90	10
4	1.84	19
5	1.50	10

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.56	16
2	1.83	24
3	1.73	26
4	1.79	24
5	1.61	18

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.00	9
2	1.46	13
3	2.93	14
4	1.67	9
5	2.29	7

Item: 8. Work effectively with other teachers, specialists, administrators, students, and parents, regardless of their value systems, race, religion, age, sex, socioeconomic status, etc.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.45	65
2	1.43	40
3	1.68	37
4	1.64	53
5	2.17	29

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.74	19
2	1.86	22
3	2.21	14
4	1.44	9
5	2.50	6

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	2.00	10
2	2.11	9
3	2.44	9
4	1.89	9
5	2.33	6

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.13	94
2	1.22	85
3	1.18	96
4	1.25	102
5	1.30	61

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	3
2	2.11	19
3	1.65	48
4	1.54	63
5	1.61	54

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	0	0
2	6.50	2
3	5.00	4
4	1.00	2
5	2.67	3

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	2.00	6
2	1.36	11
3	2.00	14
4	2.31	13
5	1.83	12

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.50	8
2	2.50	6
3	4.00	6
4	2.19	16
5	2.90	10

Item: 9. Motivate student achievement via modeling, reinforcement, provision of success experiences, appeal to student interests, etc.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.46	79
2	1.63	49
3	1.68	47
4	1.60	65
5	1.42	38

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.33	15
2	2.33	12
3	2.00	19
4	1.67	15
5	2.25	8

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.73	22
2	1.60	25
3	2.19	27
4	1.55	29
5	1.29	17

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.44	88
2	1.36	75
3	1.27	79
4	1.53	77
5	1.34	41

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	3
2	1.26	19
3	1.52	58
4	1.50	62
5	1.45	49

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.89	9
2	2.36	11
3	3.29	7
4	2.15	13
5	5.00	2

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	2.38	8
2	2.58	12
3	2.87	15
4	2.14	14
5	2.00	8

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.83	6
2	2.80	5
3	5.25	4
4	1.50	4
5	3.00	2

Item: 10. Individualize instruction to meet varying needs of students, via techniques such as mastery learning, alternative assignments, individual contracting, group and individual work, etc.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.61	61
2	1.44	36
3	1.47	36
4	1.55	44
5	1.74	27

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.87	15
2	1.92	12
3	2.00	14
4	2.06	16
5	2.00	10

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.44	32
2	1.52	27
3	1.49	45
4	1.48	50
5	1.54	26

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.35	82
2	1.28	61
3	1.32	60
4	1.48	60
5	1.47	34

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	3
2	1.79	28
3	1.58	50
4	1.53	62
5	1.48	56

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.67	3
2	2.00	9
3	3.33	6
4	1.80	20
5	1.75	8

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.56	9
2	1.89	9
3	2.72	11
4	1.83	18
5	2.00	5

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	3.40	5
2	2.25	8
3	4.75	4
4	1.67	6
5	2.75	4

Item: 11. Prepare and develop lesson plans and teaching units.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.43	91
2	1.55	80
3	1.51	93
4	1.44	118
5	1.46	69

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.32	41
2	1.44	32
3	1.50	32
4	1.36	44
5	1.87	23

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.45	51
2	1.22	49
3	1.41	61
4	1.49	51
5	1.44	34

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	2.10	42
2	1.79	42
3	1.74	47
4	2.05	55
5	2.13	31

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	2.00	2
2	2.78	9
3	2.44	18
4	2.04	24
5	2.23	26

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	4.00	1
2	8.00	1
3	7.00	2
4	1.50	2
5	4.00	1

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.00	2
2	3.50	4
3	5.57	7
4	2.50	6
5	1.80	5

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	3.00	3
2	3.50	6
3	4.40	5
4	2.33	3
5	3.50	4

Item: 12. Prepare teacher made tests and evaluate/report pupil progress.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.39	61
2	1.42	48
3	1.47	62
4	1.43	79
5	1.45	47

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.53	17
2	1.29	14
3	2.17	18
4	1.28	18
5	1.63	16

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.35	57
2	1.13	53
3	1.48	60
4	1.46	59
5	1.55	42

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.53	57
2	1.58	50
3	1.52	63
4	1.50	70
5	1.64	39

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.50	2
2	2.36	11
3	2.28	29
4	1.91	32
5	2.03	34

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	3.00	1
2	3.67	3
3	3.60	5
4	2.00	3
5	3.00	3

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.50	4
2	6.00	1
3	2.57	7
4	2.30	10
5	3.50	4

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.00	1
2	2.75	4
3	5.33	3
4	1.00	1
5	3.67	3

70.

Item: 13. Understand and utilize standard tests.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.50	30
2	1.31	16
3	1.43	23
4	1.32	22
5	1.44	18

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.55	11
2	2.00	6
3	1.85	13
4	1.07	14
5	1.67	9

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.15	84
2	1.07	71
3	1.19	69
4	1.19	86
5	1.19	47

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.52	44
2	1.53	34
3	1.29	34
4	1.38	39
5	1.50	22

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	1
2	2.43	7
3	1.36	22
4	1.57	28
5	1.54	26

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.50	4
2	3.67	3
3	2.57	7
4	1.60	10
5	2.80	5

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.25	4
2	2.00	7
3	2.00	7
4	1.85	13
5	2.17	6

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.00	3
2	1.50	8
3	2.89	9
4	1.30	10
5	1.86	7

Item: 14. Communicate effectively with parents regarding student progress.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.17	29
2	2.00	17
3	2.72	11
4	1.35	17
5	1.50	12

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	2.17	6
2	3.00	4
3	2.80	5
4	2.33	3
5	3.50	4

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.71	14
2	2.20	5
3	3.75	4
4	3.33	3
5	2.67	6

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.13	110
2	1.10	100
3	1.11	106
4	1.16	108
5	1.20	59

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.40	5
2	1.72	37
3	1.47	62
4	1.49	86
5	1.43	69

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.50	4
2	4.00	3
3	3.00	6
4	2.25	4
5	2.75	4

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.78	9
2	2.00	9
3	2.53	17
4	2.17	18
5	2.50	10

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.63	8
2	1.83	12
3	3.73	11
4	1.89	19
5	3.00	7

Item: 15. Compare, contrast and utilize various educational philosophical viewpoints.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	2.09	22
2	1.68	19
3	1.36	11
4	1.55	22
5	2.07	15

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.31	13
2	1.30	10
3	1.79	14
4	1.25	16
5	2.00	7

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.11	83
2	1.10	71
3	1.15	74
4	1.16	88
5	1.21	61

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.47	32
2	1.37	27
3	1.26	27
4	1.17	18
5	1.67	15

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.00	1
2	1.90	10
3	2.03	34
4	1.40	20
5	1.50	26

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.00	3
2	2.60	5
3	2.46	13
4	1.70	10
5	2.83	6

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.58	12
2	2.18	17
3	1.78	18
4	1.32	28
5	1.67	9

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.50	4
2	2.89	9
3	2.88	8
4	2.22	9
5	2.11	9

Item: 16. Encourage and facilitate the development of children's social skills and enhanced self-concepts.

Student Teaching		
Experience	Mean of the Ranks	# Who Ranked
1	1.46	57
2	1.46	35
3	1.88	32
4	1.65	51
5	1.58	26

Pre Student Teaching Field Experience		
Experience	Mean of the Ranks	# Who Ranked
1	1.83	12
2	2.17	12
3	2.58	12
4	1.93	15
5	1.67	6

Other Course Work & Experiences		
Experience	Mean of the Ranks	# Who Ranked
1	1.50	32
2	1.28	18
3	1.61	23
4	1.68	28
5	1.74	19

First Year Teaching Experience		
Experience	Mean of the Ranks	# Who Ranked
1	1.32	92
2	1.26	80
3	1.21	80
4	1.41	73
5	1.42	48

Teaching Experience After First Year		
Experience	Mean of the Ranks	# Who Ranked
1	1.00	3
2	1.74	23
3	1.45	62
4	1.57	72
5	1.64	66

Inservice Training		
Experience	Mean of the Ranks	# Who Ranked
1	1.43	7
2	2.09	11
3	3.29	7
4	1.93	15
5	2.89	9

Other Teachers		
Experience	Mean of the Ranked	# Who Ranked
1	1.63	8
2	2.38	8
3	2.40	15
4	2.44	16
5	2.43	7

Supervisors and/or Administrators		
Experience	Mean of the Ranked	# Who Ranked
1	1.67	3
2	3.67	3
3	5.20	5
4	2.75	8
5	3.25	4

74.

Item: 17. Apply the major principles of school law to areas such as due process, contracts, teaching liability, corporal punishment, etc.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.80	25
2	1.73	11
3	2.00	9
4	1.18	11
5	2.38	8

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.88	8
2	3.33	3
3	3.50	4
4	1.00	7
5	3.00	4

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.36	66
2	1.21	47
3	1.23	40
4	1.29	55
5	1.33	33

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.37	63
2	1.20	55
3	1.43	49
4	1.33	46
5	1.45	22

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	1.50	2
2	1.65	20
3	1.43	42
4	1.71	42
5	1.82	38

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	2.00	2
2	2.40	5
3	1.73	15
4	2.00	19
5	1.18	11

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.63	16
2	1.57	7
3	1.71	24
4	1.55	33
5	1.42	12

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	1.68	25
2	1.50	22
3	2.19	26
4	1.50	36
5	1.33	24

Item: 18. Adequately challenge your gifted/talented students.

Student Teaching		
Experience	Mean of the Ranks	# Who Ranked
1	1.30	27
2	1.44	18
3	1.63	16
4	1.47	17
5	1.64	14

Pre Student Teaching Field Experience		
Experience	Mean of the Ranks	# Who Ranked
1	1.33	12
2	2.00	4
3	3.00	5
4	1.50	3
5	1.67	6

Other Course Work & Experiences		
Experience	Mean of the Ranks	# Who Ranked
1	1.18	39
2	1.29	17
3	1.60	15
4	1.38	26
5	1.67	15

First Year Teaching Experience		
Experience	Mean of the Ranks	# Who Ranked
1	1.23	48
2	1.15	39
3	1.21	43
4	1.47	30
5	1.46	24

Teaching Experience After First Year		
Experience	Mean of the Ranks	# Who Ranked
1	1.50	2
2	1.39	31
3	1.24	71
4	1.14	74
5	1.24	46

Inservice Training		
Experience	Mean of the Ranks	# Who Ranked
1	1.00	9
2	1.37	19
3	1.62	21
4	1.34	29
5	1.44	18

Other Teachers		
Experience	Mean of the Ranked	# Who Ranked
1	1.25	12
2	1.61	18
3	1.76	17
4	1.50	20
5	1.45	11

Supervisors and/or Administrators		
Experience	Mean of the Ranked	# Who Ranked
1	2.00	1
2	2.63	8
3	3.29	7
4	1.00	7
5	2.00	5

Item: 19. Adequately guide handicapped pupils who have been or may be "mainstreamed" into your classroom.

Student Teaching

Experience	Mean of the Ranks	# Who Ranked
1	1.39	23
2	1.60	20
3	1.94	17
4	1.65	23
5	1.67	9

Pre Student Teaching Field Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.18	11
2	2.43	7
3	2.50	10
4	1.00	6
5	2.14	7

Other Course Work & Experiences

Experience	Mean of the Ranks	# Who Ranked
1	1.24	37
2	1.65	17
3	1.58	26
4	1.27	22
5	2.00	9

First Year Teaching Experience

Experience	Mean of the Ranks	# Who Ranked
1	1.19	70
2	1.08	50
3	1.30	44
4	1.30	43
5	1.34	29

Teaching Experience After First Year

Experience	Mean of the Ranks	# Who Ranked
1	0	0
2	1.48	25
3	1.27	63
4	1.27	71
5	1.38	53

Inservice Training

Experience	Mean of the Ranks	# Who Ranked
1	1.00	5
2	2.17	6
3	1.36	18
4	1.54	13
5	1.63	19

Other Teachers

Experience	Mean of the Ranked	# Who Ranked
1	1.62	13
2	1.48	23
3	2.16	19
4	1.52	27
5	1.64	11

Supervisors and/or Administrators

Experience	Mean of the Ranked	# Who Ranked
1	2.17	6
2	1.55	11
3	4.50	6
4	1.56	9
5	2.00	8

Section	Description
D	Majors, Group, and Professional Components/ Courses
E	Off-Campus Field Experiences
F	Academic and Career Advising
G	Instructional Materials
H	General Reactions

SECTION D - Majors, Group, and Professional Components/Courses

1. The number of courses or credits required for my major (e.g. English courses for English majors, Math courses for Math majors, etc.) was:
   _____ (1) to large or too many
   _____ (2) too small or too few
   _____ (3) about right

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
136	2.63	123	2.67	151	2.72	166	2.75	111	2.69	687	2.70

2. The content of my major was:
   _____ (1) well adapted to the needs of teachers
   _____ (2) only moderately relevant to the needs of teachers
   _____ (3) largely irrelevant to the needs of teachers

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	1.54	125	1.73	151	1.73	167	1.63	111	1.72	692	1.67

3. The content of my major was:
   _____ (1) too broad and general for the needs of teachers
   _____ (2) too narrow and specialized for the needs of teachers
   _____ (3) well balanced to provide both breadth and depth

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
136	2.18	123	2.05	148	2.20	165	2.27	111	2.17	683	2.18

4. Courses in my major were taught in a way that:
   _____ (1) related the content to the needs of teachers in most instances
   _____ (2) related the content to the needs of teachers in some instances
   _____ (3) had no observable relationship to the needs of teachers

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	1.63	125	1.84	152	1.81	167	1.74	111	1.70	693	1.74

5. The number of credits or courses required in the professional component (commonly called "the education courses") of the program was:
   _____ (1) too large or too many
   _____ (2) too small or too few
   _____ (3) about right

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	2.34	125	2.42	152	2.54	167	2.45	111	2.43	693	2.44

6. The content and experiences making up the professional component:

_____ (1) were generally well suited to preparation of a teacher
_____ (2) were somewhat suited to preparation of a teacher
_____ (3) made little real contribution to preparation of a teacher

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	1.70	125	1.90	151	1.93	167	1.95	111	2.00	692	1.89

7. The general group requirements (Group 1 - Composition, Literature, Speech; Group 2 - Science and Math; Group 3 - Social Science; and Group 4 - Fine and Applied Arts)

_____ (1) provided for acquisition of a breadth of knowledge needed by "educated" people
_____ (2) was somewhat valuable
_____ (3) was generally a waste of time

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
137	1.67	125	1.56	150	1.67	167	1.77	110	1.72	689	1.68

8. The general group requirements

_____ (1) provided a good background for teachers
_____ (2) was somewhat significant for prospective teachers
_____ (3) was generally of little significance for prospective teachers

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
136	1.72	125	1.66	150	1.72	166	1.81	110	1.71	687	1.73

9. Bowling Green State University gave me very early in my studies an adequate orientation to teacher education, e.g., career options, employment potential, working conditions/expectations, salaries, etc.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	3.01	123	2.86	150	2.88	165	2.82	111	2.68	687	2.86

SECTION E. - Off-Campus Field Experiences

1. How do you feel about the adequacy of the University supervision when you were doing:
   A. Student Teaching

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
135	3.64	123	3.85	152	3.70	166	3.80	110	3.79	686	3.73

1. B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
128	3.98	111	3.56	136	3.78	146	3.68	101	3.65	622	3.74

2. The above question dealth with university supervision. In the same frame of reference, how do you feel about the adequacy of the supervision given you by the classroom teacher(s) during:
   A. Student Teaching

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
135	4.48	124	4.32	151	4.28	167	4.17	109	4.24	686	4.30

2. B. Other field experiences in the schools, such as Merge, MEP, Methods Observations, etc.?

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
127	4.06	109	3.74	136	3.85	143	3.82	99	3.77	614	3.85

3. How do you feel about the value of the field experiences, other than student teaching, such as Merge, MEP, Interaction, Alternatives in Education, Help-A-Child, Milton, Crim's PER, IET's 288 Field Experience, etc. in preparing you to be a teacher?
   B. I consider these experiences to have been

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
91	4.52	75	4.29	94	4.30	105	4.31	72	4.19	437	4.33

3. C. Approximately how many academic quarters were you involved in one or more of these experiences? (Do not count the student teaching quarter)
_____ quarters

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
88	2.25	69	2.19	95	2.15	91	2.24	70	2.37	413	2.23

SECTION F - Academic and Career Advising

1. How do you feel about the quality of advising from your major area, such as the English, Math, Elementary Education areas?

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	3.33	121	3.15	149	3.26	166	3.30	109	3.05	683	3.23

2. Advice and guidance from the Program Advisement Center located on the 3rd floor of the Education Building?

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
134	3.48	116	3.22	141	3.21	160	3.11	104	3.10	655	3.22

3. Advice from individual professors you might have sought out?

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
137	4.18	123	4.03	151	3.96	165	3.98	109	3.76	685	3.99

4. How do you feel in a general sense about the quality of overall academic advising services that were available to you throughout your years at the University?

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	3.49	123	3.41	150	3.39	167	3.43	111	3.33	689	3.41

5. How do you feel in a general sense about the quality of overall career advising services that were available to you?

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
137	3.58	122	3.36	149	3.43	167	3.28	111	3.38	686	3.40

6. Please rate the services of the Career and Placement Center in helping you find a teaching position:

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
134	3.95	120	3.61	146	3.54	162	3.27	108	3.31	670	3.53

SECTION G - Instructional Materials

1. Please rate the materials and services of the Instructional Media Center.
   A. Hours of accessibility

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
111	3.59	82	3.73	100	3.66	110	3.58	72	3.47	475	3.61

B. Workshop facilities where you could prepare new instructional materials or copy existing materials.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	3.80	83	3.73	99	3.67	109	3.80	68	3.68	469	3.74

C. Availability of materials.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	3.88	83	3.83	98	3.81	110	3.66	69	3.68	470	3.78

D. Usage regulations.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
111	3.91	82	3.72	98	3.70	109	3.61	69	3.62	469	3.72

E. Helpfulness of staff.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
111	3.78	83	3.76	98	3.97	109	3.77	71	3.80	472	3.82

F. Relation to coursework.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	4.11	82	3.89	99	4.01	110	3.85	71	3.87	472	3.96

2. Please rate the materials and services of the Curriculum Library (located in the Library).

A. Hours of accessibility.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
111	4.04	90	4.08	106	3.98	118	4.02	75	4.07	500	4.03

B. Workshop facilities where you could prepare new instructional materials or copy existing materials.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
107	3.69	83	3.58	101	3.51	114	3.61	73	3.59	478	3.60

C. Various media, such as maps, globes, charts, pictures, films, video/audio tapes, recordings, etc.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	4.04	90	3.94	102	4.01	118	3.91	72	3.83	492	3.95

D. Examples of courses of study and teaching units.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
108	3.94	86	3.77	103	3.78	117	3.72	74	3.81	488	3.80

E. Examples of books commonly used in the elementary and secondary schools.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
109	4.21	89	4.06	104	4.04	118	4.00	73	3.95	493	4.06

F. Availability of materials.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
111	4.12	90	3.97	106	3.98	118	3.97	74	3.91	499	4.00

G. Usage regulations.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	3.97	89	3.78	105	3.90	117	3.80	75	3.76	496	3.85

H. Helpfulness of staff.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
110	4.29	89	4.00	106	4.07	116	3.97	75	3.95	496	4.06

I. Relation to course work.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
109	4.24	90	4.01	105	4.01	117	4.04	75	3.88	496	4.05

3. Please rate the materials and services of the Clinical Lab (located on the second floor of the Education Building and established during the 1978-79 academic year).
   A. Hours of accessibility.

Years of Teaching Experience											
1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
21	3.52	5	4.00	4	4.25	1	4.00	3	3.00	34	3.65

B. Various media and materials.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
21	3.86	5	4.00	4	4.00	1	5.00	3	4.00	34	3.94

C. Helpfulness of staff.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
21	3.86	5	3.80	4	3.75	1	4.00	3	3.67	34	3.82

D. Availability of materials.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
21	3.67	5	4.00	4	3.50	1	5.00	3	3.00	34	3.68

E. Relation to course work.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
21	4.05	5	4.00	4	3.75	1	5.00	3	4.67	34	4.09

SECTION H - General Reactions

A. Your Attitudes

1. I love to teach.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	4.45	123	4.25	153	4.22	167	4.23	111	4.34	692	4.29

2. If I could plan my career again, I would choose teaching.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
137	4.21	122	3.90	153	3.73	167	3.75	109	3.94	688	3.89

3. I feel successful and competent in my present position.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	4.41	125	4.19	153	4.33	166	4.32	110	4.45	692	4.34

4. I really enjoy working with my students.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	4.58	124	4.39	152	4.49	167	4.46	110	4.52	691	4.49

5. If I could earn as much money in another occupation, I would still continue to teach.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
138	4.30	122	4.15	152	3.97	161	3.88	110	4.09	683	4.07

Summary

1. I was adequately prepared by BGSU as an entry level teacher.

Years of Teaching Experience

1 Year		2 Years		3 Years		4 Years		5 Years		Total	
N	X	N	X	N	X	N	X	N	X	N	X
136	3.97	124	3.73	149	3.82	165	3.79	108	3.86	682	3.83